

Week 16: Wildcard Week

- [regional meeting](#)
- [global class](#)

regional meeting

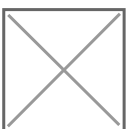
Jakob



Benedikt Feit

<https://fabacademy.org/2018/labs/fablabamsterdam/students/jelka-lustenhouwer/Final%20Project.html>

Patrick Dezséri



Dylan Heneck



Sam

<https://obsidian.md/>

Yryszhan Sansyzbay



<https://www.starship.xyz/>

Mkhitar Evoyan



Forrest Oliphant



chat

13:06:36 Von jakob an Alle: <https://fabacademy.org/2025/labs/ilmenau/students/jakob-lerch/final-project/#input-devices>

13:06:54 Von henk an Alle: <https://fabacademy.org/2018/labs/fablabamsterdam/students/jelka-lustenhouwer/Final%20Project.html>

13:31:37 Von Krisjanis Rijnieks an Alle: it does not have to be painful

13:33:25 Von jakob an Alle: https://fabacademy.org/2025/labs/ilmenau/students/jakob-lerch/notes/tips_and_tricks/#scripts--commands

check the bottom of this section. i use these commands from ffmpeg and adjust them when necessary.

13:34:06 Von jakob an Alle: Replying to "<https://fabacademy.org/2025/labs/ilmenau/students/...>": plus the commands from neil https://academy.cba.mit.edu/classes/computer_design/video.html

13:35:17 Von Krisjanis Rijnieks an Alle: This is a page straight from the source about H.264 encoding. It is just a few pages and if you convince your brain to focus for just 30 minutes, you shalt become ff-enlightened <https://trac.ffmpeg.org/wiki/Encode/H.264>

13:35:55 Von Krisjanis Rijnieks an Alle: My favorite section is "Encoding for dumb players"

13:36:13 Von Krisjanis Rijnieks an Alle: Such as: QuickTime, for example

13:38:40 Von Krisjanis Rijnieks an Alle: And modifying CRF value can be the magic remedy for a video file being too large

13:39:07 Von Krisjanis Rijnieks an Alle: the higher the CRF, the smaller the video size, but also more glitchy, but some people prefer that

13:41:14 Von Krisjanis Rijnieks an Alle: We have these little guys delivering goods from supermarket to a huts in the forrests here <https://www.starship.xyz/> Yryszhan:☐☐

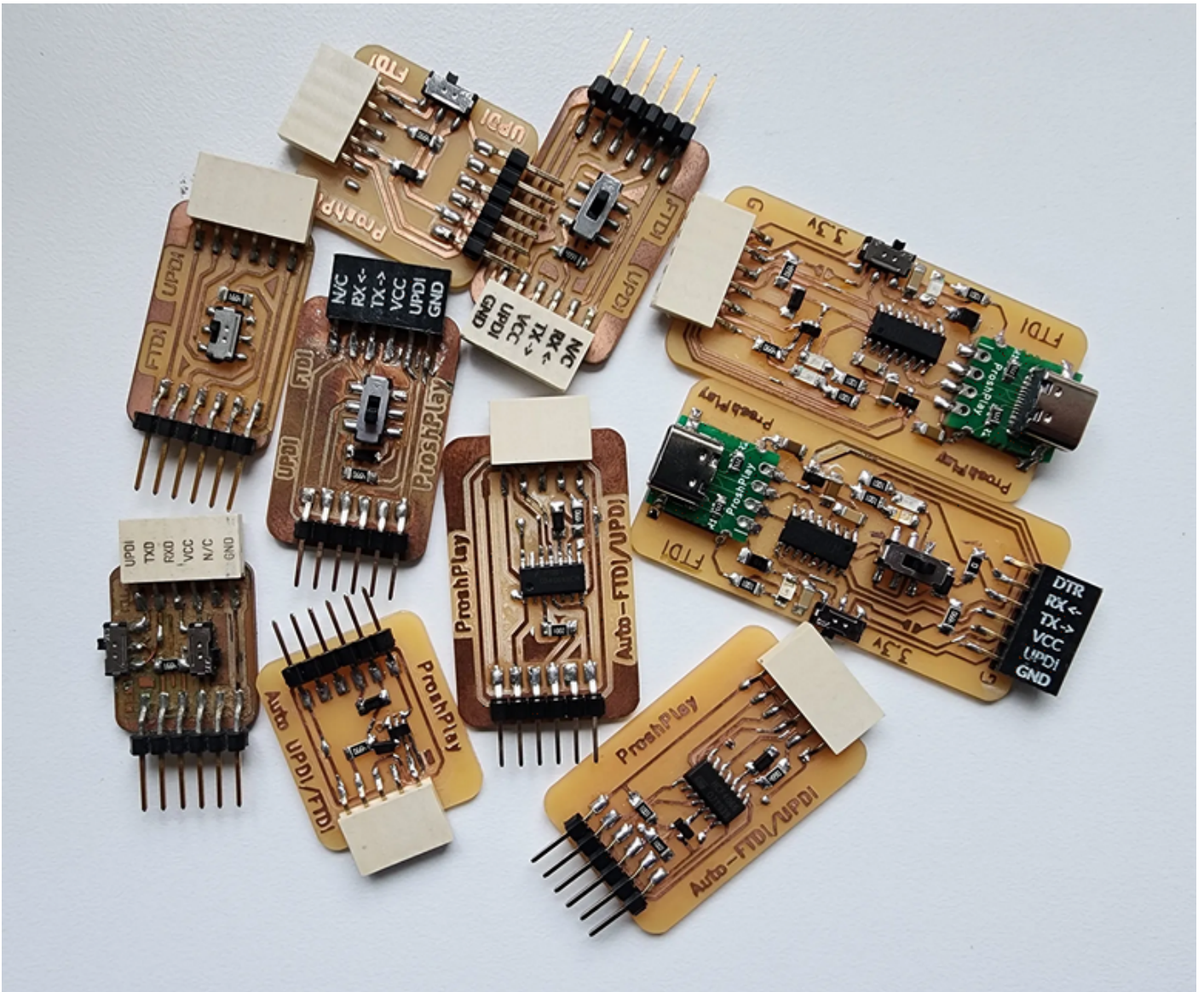
13:47:24 Von henk an Alle: heltec V3?

13:48:50 Von ferdi an Alle: <https://www.svseeker.com/sv-seeker-2/submarines/>

13:49:43 Von henk an Alle: Replying to "We have these little guys delivering goods from su...": <https://fabacademy.org/2021/labs/agrilab/students/theo-gautier/presentation.mp4>

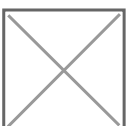
13:50:02 Von henk an Alle: Replying to "We have these little guys delivering goods from su...": agri version done by student of Luc

global class



<https://ivy-honesty-3a3.notion.site/My-UPDI-and-Serial-obsession-1f3654725b0f80999d08dacc7eba656f>

Kathryn Wu



Francisco Ruz



Mkhitar Evoyan



<https://en.wikipedia.org/wiki/RoboTuna>

<https://www.youtube.com/embed/Dy5ZETdaC9k?si=SYz0gM0IzNWmPitB>

Ismail Sevik

Katya Castellanos Estrada



katyacastellanos.com

Erwin Efrén Vivar Tobón



<https://www.youtube.com/live/OApBOqrnMwg?si=Fme-377xrX5Zjuw>

Elijah Taylor



Sabareesh G



https://academy.cba.mit.edu/classes/project_development/index.html

Mihir Shah



break

<https://cba.mit.edu/docs/theses/14.08.Calisch.pdf>

[Adriana Cabrera](#)

[Cook to the future](#)



Vacuum bagging with Sam Calish

<https://www.youtube.com/watch?v=CnkG2O4VH9k>

Link to West Systems vacuum bagging guide (pdf) -

<https://www.westsystem.com/app/uploads/2022/10/VacuumBag-7th-Ed.pdf>

<https://www.youtube.com/embed/CnkG2O4VH9k?si=DEJUXGkpXp7oo4hD>

<https://www.youtube.com/embed/OApBOqrnMwg?si=oTRcwhQrQXVqTvHQ>

chat

14:35:38 Von Rico Kanthatham an Alle: super important

14:35:54 Von henk an Alle: finally some time to work on their final project :) Adrián - Fab Lab León, Oscar Diaz - Enterprise FabLab, Nuria Robles | LEON:♥ Milliam:☐☐

14:36:01 Von Milliam an Alle: It works well to check on the progress of the final project. And also it let's them know what is expected.

14:36:14 Von Noor Ahmed Raza Pirwani an Alle: people still found it a new thing, however it spare time to focus on final project

14:36:24 Von Adrián - Fab Lab León an Alle: Replying to "finally some time to work on their final project ...": Good idea.

14:37:08 Von Pablo Fab Lab León an Alle: that doesnt help the asesment XDDD

14:37:21 Von Krisjanis Rijnieks an Alle: Our focus was looking at power input jacks, panel mount rocker switches, strain reliefs, splitting circuit boards into modules and why networking is important in that context Adrián - Fab Lab León:☐☐

14:37:21 Von Milliam an Alle: @Jani Ylioja is it still too late for me? Milliam:☐☐

14:37:24 Von Pablo Fab Lab León an Alle: FAQ: Do what you want XD

14:38:00 Von Pablo Fab Lab León an Alle: Replying to "@Jani Ylioja is it still too late for me?": no...you cant leave ☐☐

14:38:49 Von Jani Ylioja an Alle: Replying to "@Jani Ylioja is it still too late for me?": Yes, absolutely too late to leave :D

14:38:55 Von Pablo Fab Lab León an Alle: encourage 3D millling if the student dont do the molding with wax.

14:39:19 Von Benedikt Feit an Alle: Is 4th axis milling allowed or is it also to close to what we already did?

14:40:37 Von Steven an Alle: Document steps taken to ensure that your final project has proper systems integration, e.g. packaging, mountings, wiring & routing, to reduce failures & ensure your project is robust & reliable?

14:40:42 Von Ricardo Marques an Alle: welding metal 3d printed parts with some other components.

14:41:40 Von Adrián - Fab Lab León an Alle: Thermoforming, composites, embroidery... there are many things to do.

14:43:06 Von Elen Grigoryan an Alle: what about CNC bending machine for wildcard week?

14:43:30 Von Nicolas De Coster an Alle: also about current to avoid killing them

14:43:59 Von Nicolas De Coster an Alle: i was not talking about students :-D

14:44:00 Von Lars Mattern - HRW Fablab an Alle: Are there special requirements, when the students would like to use a metal laser cutter.

14:44:04 Von Nicolas De Coster an Alle: but about capacitors

14:44:15 Von Benedikt Feit an Alle: Normally I used a watchdog but there are no in the inventory, so i was not sure how the idea was to implement them.

14:45:23 Von Saeed an Alle: what about fiber laser engraving for pcb

14:45:54 Von saheen palayi an Alle: Replying to "what about fiber laser engraving for pcb": try multi layer PCB in FAB

14:47:06 Von Noor Ahmed Raza Pirwani an Alle: I have one general question:

Some weeks show 100% progress but aren't marked complete due to minor corrections. As a global evaluator, should I wait for the local evaluator to complete them, or can I review in parallel to ease the load?

14:47:35 Von Pablo Fab Lab León an Alle: Replying to "I have one general question: Some weeks show 100%...": keep communication with the local

14:49:23 Von Noor Ahmed Raza Pirwani an Alle: Replying to "I have one general question: Some weeks show 100%...": I tried on several channels to communicate, but no response from one local evaluator, then last day when I checked the progress so drastically he checked more than 7 weeks in 2 to 3 days. but many of them are 100 percent and mark as completed

14:49:44 Von Adrián - Fab Lab León an Alle: Replying to "I have one general question: Some weeks show 100%...": Do you find it in mattermost?

14:49:51 Von Noor Ahmed Raza Pirwani an Alle: Replying to "I have one general question: Some weeks show 100%...": yes no response

14:49:57 Von Pablo Fab Lab León an Alle: Replying to "I have one general question: Some weeks show 100%...": maybe its a good time to send a mail to coordination :) Noor Ahmed Raza Pirwani:☐

14:50:36 Von saheen palayi an Alle: <https://ivy-honesty-3a3.notion.site/My-UPDI-and-Serial-obsession-1f3654725b0f80999d08dacc7eba656f?pvs=4> Adrián - Fab Lab León, Noor Ahmed Raza

Pirwani, Lars Mattern - HRW Fablab, Jani Ylioja, Rico Kanthatham, Svavar Konradsson - Fab Lab Isafjordur, Norella Coronell, Elen Grigoryan:♥ Nuria Robles | LEON, Noor Ahmed Raza Pirwani:☐

14:50:59 Von Milliam an Alle: Replying to "I have one general question: Some weeks show 100%...": You could private message them? Since they should be online right now? Noor Ahmed Raza Pirwani:☐

14:51:12 Von Adrián - Fab Lab León an Alle: Life long for attiny's Tom Charlotte Latin:☐ saheen palayi:☐

14:51:22 Von Tom Charlotte Latin an Alle: atTiny412. is the best Adrián - Fab Lab León, Rico Kanthatham, Milliam, Andri - Fab Lab Reykjavik, saheen palayi:♥

14:52:14 Von Tom Charlotte Latin an Alle: Saheen nice work saheen palayi:☐

14:52:33 Von Rico Kanthatham an Alle: Replying to "<https://ivy-honesty-3a3.notion.site/My-UPDI-and-Se...>": You're a Rock Star!!! saheen palayi:☐

14:52:47 Von Pablo Fab Lab León an Alle: Replying to "<https://ivy-honesty-3a3.notion.site/My-UPDI-and-Se...>": Wow! Saheen!!! ☐ saheen palayi:☐

14:52:56 Von Adrián - Fab Lab León an Alle: Replying to "<https://ivy-honesty-3a3.notion.site/My-UPDI-and-Se...>": Nice job Saheen!! saheen palayi:☐

14:53:24 Von María Angela Mejía an Alle: When does sign-ups for final presentation finish?

14:53:28 Von Milliam an Alle: Replying to "<https://ivy-honesty-3a3.notion.site/My-UPDI-and-Se...>": @saheen palayi Trails or trials? Is that heading a typo?

14:55:19 Von Luciana Asinari an Alle: Replying to "When does sign-ups for final presentation finish?": When the slots are full ☐

14:55:43 Von Ricardo Marques an Alle: Replying to "When does sign-ups for final presentation finish?": Some days will fill up faster than others...

14:55:50 Von María Angela Mejía an Alle: Replying to "When does sign-ups for final presentation finish?": Thanks

14:56:35 Von saheen palayi an Alle: Replying to "<https://ivy-honesty-3a3.notion.site/My-UPDI-and-Se...>": thank u @Milliam that's typo :) sorry

14:57:07 Von Daniel Mateos an Alle: Replying to "When does sign-ups for final presentation finish?": Are they open yet?

14:58:06 Von henk an Alle: no

14:58:13 Von henk an Alle: during the biobreak

14:58:17 Von Jul an Alle: final projects page site linked on 2025 site homepage Nuria Robles | LEON:♥ Luciana Asinari, Adrián - Fab Lab León:☐☐

14:58:39 Von Daniel Mateos an Alle: Thx

14:59:54 Von Luciana Asinari an Alle: Replying to "final projects page site linked on 2025 site homep...": @Jul Juls, how's the time-zone configured? Should I open the slots in my time-zone or Boston's?

15:00:10 Von Andri - Fab Lab Reykjavik an Alle: where do i sign up my students for final presentations

15:00:20 Von Milliam an Alle: Replying to "https://ivy-honesty-3a3.notion.site/My-UPDI-and-Se...": Haha sorry for being an asian mom. Otherwise good work! saheen palayi:☐☐

15:00:23 Von Jul an Alle: Replying to "final projects page site linked on 2025 site homep...": oh i forgot. i think utc

15:00:29 Von Adrián - Fab Lab León an Alle: Replying to "where do i sign up my students for final presentat...": In nueval Andri - Fab Lab Reykjavik:☐☐

15:00:50 Von Luciana Asinari an Alle: Screenshot 2025-05-14 at 3.00.40 PM.png

15:01:42 Von henk an Alle: we have adrian :) Adrián - Fab Lab León:♥

15:01:53 Von Pablo Fab Lab León an Alle: It`s all London, Baby! Camila Luna, Norella Coronell, Adrián - Fab Lab León:☐☐

15:02:41 Von Jul an Alle: Replying to "final projects page site linked on 2025 site homep...": @Luciana Asinari last year was set 7am ☐☐♂ Luciana Asinari:☐☐

15:05:00 Von shintaro ito:node japan kannai an Alle: I'm caught between what I want to do and what I can achieve.☐☐ Pablo Fab Lab León:☐☐

15:05:03 Von Tom Charlotte Latin an Alle: Latin is here

15:05:16 Von Tom Charlotte Latin an Alle: Latin is here

15:06:01 Von Forrest O. an Alle: Hello North Carolina again. ☐☐

15:06:52 Von Forrest O. an Alle: Whoa!

15:06:58 Von Forrest O. an Alle: Screenshot2025_05_14_160650.jpg

15:08:33 Von Krisjanis Rijnieks an Alle: <https://wiki.seeedstudio.com/XIAO-BLE-Sense-TFLite-Mic/>

15:08:38 Von Garrett Nelson an Alle: You may want to look into fullcontrol.xyz

15:08:56 Von Krisjanis Rijnieks an Alle: Seeed has example how to recognize a limited set of words right on the MCU

15:09:01 Von Krisjanis Rijnieks an Alle: above

15:10:13 Von Forrest O. an Alle: Another idea could be: you to make Claude make software that makes GCode. Marius Araújo:☐☐

15:12:34 Von Garrett Nelson an Alle: I'd propose 2d images via AI -> inkscape -> Inkscape G-code out. saheen palayi:☐☐

15:16:33 Von Forrest O. an Alle: Replying to "I'd propose 2d images via AI -> inkscape -> Inksca...": Raster images from AI will look like AI images.

15:20:07 Von Pablo Fab Lab León an Alle: Replying to "I'd propose 2d images via AI -> inkscape -> Inksca...": she dont wanted to make images, wanted to plot what she is saying. which can be very useful. i like it

15:20:53 Von Marius Araújo an Alle: Replying to "I'd propose 2d images via AI -> inkscape -> Inksca...": Can't wait for results. Expecting frankensteins Pablo Fab Lab León, Adrián - Fab Lab León:☐☐

15:22:03 Von Forrest O. an Alle: Replying to "I'd propose 2d images via AI -> inkscape -> Inksca...": written text? <https://cuttle.xyz/@forresto/Wave-Warps-long-lorem-ipsum-GAbyBXjjam76> Marius Araújo, Garrett Nelson:☐☐

15:22:53 Von Luis Díaz-Faes - A Industriosa an Alle: Good Francisco! Ulises - CIE - CIP:☐☐

15:26:17 Von Jani Ylioja an Alle: Go Mike!

15:26:41 Von Rico Kanthatham an Alle: oooooh!! submarine!!! Ricardo Marques:☐☐

15:27:16 Von Rico Kanthatham an Alle: Does Armenia have its own version of the Lochness monster? Patrick - waag, Babken Chugaszyan:☐☐

15:27:49 Von Fab Classes an Alle: https://web.mit.edu/orca/www/2000_comp1998.shtml

15:28:51 Von Fab Classes an Alle: <https://edboyden.org/orcapapr.html>

15:29:12 Von Fab Classes an Alle: <https://edboyden.org/orcapapr.pdf>

15:29:54 Von henk an Alle: fab6 there were some underwaterboats
<https://cba.mit.edu/events/10.08.FAB6/boats.jpg> Adrián - Fab Lab León:♥

15:30:01 Von Krisjanis Rijnieks an Alle: sure there are

15:30:15 Von Ricardo Marques an Alle: First name basis with the lake monster? nice

15:30:20 Von ferdi an Alle: <https://archive.fabacademy.org/2019/labs/kamplintfort/students/william-megill/assignments/week08/>

15:30:51 Von ferdi an Alle: <https://www.svseeker.com/sv-seeker-2/submarines/>

15:31:55 Von Rico Kanthatham an Alle: Replying to "Does Armenia have its own version of the Lochness ...": Looks like Armenia has the 'Vishap'

<https://en.wikipedia.org/wiki/Vishap>

Areg Khalatyan:♥️

15:32:15 Von Lysander Trapp an Alle: Yea I am was part of the team in HSRW with William Megill. We held the first EU open water race in 2023 and 2024. Human powered Subs are fun

15:32:29 Von Rico Kanthatham an Alle: Replying to "Does Armenia have its own version of the Lochness ...": <https://dragonology.fandom.com/wiki/Vishap>

15:32:40 Von Jani Ylioja an Alle: Replying to "fab6 there were some underwaterboats <https://cba.m...>": Fab 11 as well, might not be well documented though

15:32:42 Von Amr Yaser Abdulrahiem an Alle: I see Sofi in this project ^^:
<https://www.csail.mit.edu/research/sofi-soft-robotic-fish>

15:33:16 Von Lysander Trapp an Alle: Also if you like look for sea glider s

15:33:20 Von Patrick - waag an Alle: this is a video about our bachelor 1 engineering student whose this year project was to make a submarin that goes 8m deep than only with a mechanical system goes back up <https://www.facebook.com/reel/668051025587582>

15:33:29 Von Lysander Trapp an Alle: Replying to "I see Sofi in this project ^^:
<https://www.csail.m...>": Yea she was captain after me.

15:33:42 Von Patrick - waag an Alle: Replying to "this is a video about our bachelor 1 engineering s...": they used our fablab to make them

15:33:44 Von Fab Classes an Alle: <https://ocw.mit.edu/courses/2-a35-biomimetic-principles-and-design-fall-2013/resources/2-a35f13/>

15:33:49 Von Areg Khalatyan an Alle: 

15:34:44 Von Fab Classes an Alle: <https://news.mit.edu/2023/engineers-devise-modular-system-efficient-scalable-aquabots-0206>

15:34:59 Von Amr Yaser Abdulrahiem an Alle: Replying to "I see Sofi in this project ^^:
<https://www.csail.m...>": I loved how it uses soft actuator and the boyount system inside it.

15:36:00 Von Babken Chugaszyan an Alle: Replying to "Does Armenia have its own version of the Lochness ...": Rico are you asking to know the meat variety available?))) Micka - FablabCuenca, Adrián - Fab Lab León, Areg Khalatyan:☐☐

15:36:15 Von Amr Yaser Abdulrahiem an Alle: I think this will help

15:36:17 Von Amr Yaser Abdulrahiem an Alle:

https://www.youtube.com/results?search_query=experimental+bricks++submarine

15:36:46 Von Marius Araújo an Alle: also: <https://www.youtube.com/watch?v=pUba126uzvU>

15:37:03 Von Forrest O. an Alle: Diving in a lake, a wire is a feature in case something breaks, you can retrieve it. (something other than the wire.)

15:37:13 Von Rico Kanthatham an Alle: Replying to "Does Armenia have its own version of the Lochness ...": i love monsters ☐☐

15:37:28 Von Rico Kanthatham an Alle: Replying to "Does Armenia have its own version of the Lochness ...": ...still looking for Godzilla in Japan Adrián - Fab Lab León:☐☐

15:37:45 Von Pablo Fab Lab León an Alle: memes....memes everywhere... Marius Araújo, Norella Coronell, Adrián - Fab Lab León, Patrick - waag:☐☐

15:38:41 Von Babken Chugaszyan an Alle: Replying to "Does Armenia have its own version of the Lochness ...": Now I get why you owned The Jimny Monster truck) Rico Kanthatham:☐☐

15:39:27 Von Patrick - waag an Alle: Replying to "memes....memes everywhere...": 9tyr9j.jpg Adrián - Fab Lab León, Norella Coronell:☐☐ Pablo Fab Lab León:☐☐

15:39:47 Von Patrick - waag an Alle: Replying to "memes....memes everywhere...": <https://chat.academany.org/fabacademy-2025/channels/meme-academy>

15:40:46 Von Krisjanis Rijnieks an Alle: sometimes the spools have knots in them so re-winding them would make sense

15:41:15 Von Charlotte Latin an Alle: This would be helpful when students fail installing reusable filament rolls

15:42:34 Von shintaro ito:node japan kannai an Alle: For Lima

Late comment...

If you want to have an LLM generate an SVG file, our machine building LLM prompt may help. We used LLM to generate an SVG file of Karesansui from an image.

https://fabacademy.org/2025/labs/kannai/students/shintaro-ito/assignments/week12%26week13/#landscape_creation_prompt

Naoki Hayashi:♥☐

15:42:54 Von Charlotte Latin an Alle: https://us.store.bambulab.com/products/bambu-reusable-spool?srsId=AfmBOoc5yrFK1TtAD0X2k8DfOeWHielTeaKkzEmg_3wwgtxcXuzS_Bb

15:43:00 Von Charlotte Latin an Alle: reusable spools

15:43:07 Von Fab Classes an Alle: <https://adamsmaxwell.com/products.html>

15:44:18 Von Rico Kanthatham an Alle: Push your button, friends... Adrián - Fab Lab León, Marius Araújo:♥

15:44:20 Von Rico Kanthatham an Alle: 2025-05-14 22_43_50-FMCU.jpg

15:46:16 Von Forrest O. an Alle: [] [] []

15:46:21 Von Rico Kanthatham an Alle: "Came for the America's Cup....stayed for Fab Academy"...great testimonial! Adrián - Fab Lab León:♥ Aristarco Cortes: []

15:46:32 Von Patrick - waag an Alle: DOG [] Patrick - waag, Ricardo Marques: [] Patrick - waag, Ricardo Marques: [] [] Patrick - waag, Ricardo Marques, shintaro ito:node japan kannai: [] Patrick - waag, Ricardo Marques: []

15:47:29 Von Milliam an Alle: Replying to "DOG []": I think some apologies are necessary for having a dog and not show us... [] Patrick - waag: [] Hiroe Takeda: []

15:47:39 Von Ricardo Marques an Alle: Replying to "DOG []": yeah! where dog tax Hiroe Takeda: []

15:47:45 Von Rico Kanthatham an Alle: Armenia should be crossing their fingers that Katya's final project is a submarine!

15:48:58 Von Rico Kanthatham an Alle: Replying to "Armenia should be crossing their fingers that Katy...": darn it!! no submarine!

15:54:47 Von Ricardo Marques an Alle: Replying to "Armenia should be crossing their fingers that Katy...": making the wrong turn researching submarines online can add you to some governamental lists... Pablo Fab Lab León, Rico Kanthatham, Aristarco Cortes: [] Marius Araújo: []

15:56:06 Von Marius Araújo an Alle: Replying to "Armenia should be crossing their fingers that Katy...": "Don't ask me how I know" Rico Kanthatham, Aristarco Cortes, Patrick - waag: [] Ricardo Marques: []

15:58:24 Von Rico Kanthatham an Alle: Doesn't look like anyone from DGI is signed in Neil. I will let them know

15:59:24 Von Rico Kanthatham an Alle: DGI (Bhutan) is having wifi issues...

16:00:53 Von Ricardo Marques an Alle: 3-2-1 backup

16:01:19 Von Ricardo Marques an Alle: Replying to "3-2-1 backup":
<https://www.backblaze.com/blog/the-3-2-1-backup-strategy/>

16:01:50 Von Norella Coronell an Alle: Luna Adrián - Fab Lab León:♥

16:01:52 Von Charlotte Latin an Alle: very cool leopard

16:01:52 Von Camila Luna an Alle: Luna

16:02:27 Von Camila Luna an Alle:
<https://www.youtube.com/live/OApBOqrnMwg?si=bQbdqwUfkiPAH5Yb>

16:02:40 Von Camila Luna an Alle: yes

16:05:21 Von saheen palayi an Alle: take Noel's eye Rico Kanthatham:☐

16:05:34 Von saheen palayi an Alle: {BE68DC89-8191-4560-BF34-005D5573D81D}.png Ricardo Marques, Patrick - waag, Shoko K:☐ Adrián - Fab Lab León, Patrick - waag:☐ Camila Luna:☐ Rico Kanthatham:☐

16:05:58 Von Adrián - Fab Lab León an Alle: Will this year be the year of animatronics and muppets in the final project hehehe

16:06:04 Von Rico Kanthatham an Alle: UV unwrap El Taylor:♥ Marius Araújo:☐

16:06:21 Von Rico Kanthatham an Alle: Replying to "UV unwrap": ...in blender

16:09:07 Von Pablo Fab Lab León an Alle: Price for the best style to Elijah. El Taylor:♥ El Taylor:☐

16:11:07 Von Milliam an Alle: Replying to "Price for the best style to Elijah.": A fab cap for him. Adrián - Fab Lab León:☐

16:11:23 Von Rico Kanthatham an Alle: @el taylor

16:11:31 Von Pablo Fab Lab León an Alle: Replying to "Price for the best style to Elijah.": @Milliam nice point..

16:12:21 Von jakob an Alle: Replying to "Price for the best style to Elijah.":
<https://youtu.be/Xpi6AfCIAzI?feature=shared&t=228>

16:12:35 Von jakob an Alle: Replying to "Price for the best style to Elijah.": there are cnc-embroidery machines Milliam:♥

16:13:06 Von Fab Classes an Alle:
<https://archive.fabacademy.org/archives/2017/fablabamsterdam/students/38/final-project.html>

16:14:21 Von Nuria Robles | LEON an Alle: @El Taylor , you can get in contact with us at faball-in@fabfoundation.org

16:15:43 Von El Taylor an Alle: @Nuria Robles | LEON thank you so much ! I would be honored to collaborate . Nuria Robles | LEON, Adrián - Fab Lab León:☐☐

16:21:37 Von Ricardo Marques an Alle: I think so. he's had Elon as na avatar before

16:21:48 Von henk an Alle: i will them yerlan and he will show up next week

16:22:39 Von Jesal Mehta an Alle: go Mihir !

16:23:15 Von Ricardo Marques an Alle: Replying to "i will them yerlan and he will show up next week": I think he's here. I can't link him since he uses cyrillic characters

16:23:37 Von Ricardo Marques an Alle: Replying to "i will them yerlan and he will show up next week": Just turned on his webcam Marius Araújo, Pablo Fab Lab León:☐☐

16:24:42 Von Amr Yaser Abdulrahiem an Alle: ohhhhhhhh it is like the Hacksmith video: <https://www.youtube.com/watch?v=ws37N2wi-yg> Pranav:♥

16:25:36 Von Patrick - waag an Alle: iron man hand from hacksmith <https://www.youtube.com/watch?v=NjTWAY4-ILI> Pranav:♥

16:26:36 Von Sumit an Alle: Pradeep from Vigyan Ashram had joined back, there was a network issue Adrián - Fab Lab León:☐☐

16:26:48 Von Pablo Fab Lab León an Alle: I WILL buy it...defenitely Jani Ylioja, Lars Mattern - HRW Fablab, Pranav, Adrián - Fab Lab León, Jesal Mehta:☐☐

16:27:30 Von saheen palayi an Alle: {F71AC555-455D-4FDE-BE78-777FC0DE1E09}.png Pranav:☐☐
Jesal Mehta:☐☐

16:29:10 Von Adrián - Fab Lab León an Alle: Lodon calling!! is finhised ☐☐



16:29:44 Von Rico Kanthatham an Alle: {5014A6E5-EA0B-4429-9C36-839B84EE31DD}.png Adrián - Fab Lab León:♥ Pablo Fab Lab León:☐☐



16:30:15 Von Marius Araújo an Alle: Replying to "Lodon calling!! is finhised ☐☐": Feeling Neil's timezone presence XD Adrián - Fab Lab León:☐☐



16:31:42 Von Rico Kanthatham an Alle: Got nothing to do? How about watch some virtual fish...do a bit of Chinese "Moyu" (programmed in P5js)

<https://editor.p5js.org/sennabullet/full/qNfUicN3t>

Camila Luna, Adrián - Fab Lab León:♥☐



16:32:11 Von saheen palayi an Alle: remember to book slots  Adrián - Fab Lab León:


16:39:26 Von Pablo Fab Lab León an Alle: Replying to "Lodon calling!! is finhised ":
disturbance.jpg Marius Araújo: Marius Araújo:

16:41:21 Von Patrick - waag an Alle: Replying to "remember to book slots ": 9tz0w5.jpg Adrián -
Fab Lab León, Forrest O., Camila Luna, Pablo Fab Lab León, saheen palayi, Ricardo Marques:

16:46:43 Von henk an Alle: <https://finalprojects.fabacademy.org/#/schedule/2025>


16:47:25 Von shintaro ito:node japan kannai an Alle: Wild card, it sounds fascinating, which makes
the final project creation sound far away.


16:48:36 Von Pablo Fab Lab León an Alle: 4 weeks to present your final project... Ricardo
Marques: saheen palayi, Yryszhan:



16:48:58 Von Adrián - Fab Lab León an Alle: Replying to "Wild card, it sounds fascinating, which
makes the ...": Crazy week shintaro ito:node japan kannai:

16:49:29 Von Forrest O. an Alle: <https://projectorsewing.com> for digital design to manual craft.
There is a huge scene of people doing this, but not the average fablab crowd. Join me if you want
to try it out.

16:49:36 Von Forrest O. an Alle: Replying to "<https://projectorsewing.com> for digital design to ...":
#wildcard

16:49:54 Von Rico Kanthatham an Alle: Replying to "4 weeks to present your final project...": 26
days to June 9th...to be specific

16:50:01 Von Rico Kanthatham an Alle: Replying to "4 weeks to present your final project...":
...start sprinting!!!

16:52:03 Von Adrián - Fab Lab León an Alle: Replying to "4 weeks to present your final project...":


16:52:43 Von Pablo Fab Lab León an Alle: Replying to "<https://projectorsewing.com> for digital
design to ...": borderline XD

16:55:30 Von Micka - FablabCuenca an Alle:
<https://hcie.csail.mit.edu/research/laserorigami/laserorigami.html>

16:55:43 Von Forrest O. an Alle: Waitlisted paper cad app (another former student i think)
<https://packcad.com>

16:59:48 Von Patrick - waag an Alle: is making dead bug freeform electrical circuit a valid wild
week option ?

16:59:50 Von saheen palayi an Alle: FPGA Wild Card Example

<https://fabacademy.org/2021/labs/kochi/students/saheem-palayi/assignments/week15.html> Svavar Konradsson Fab Lab Isafjordur:☐☐

17:00:21 Von Forrest O. an Alle: Replying to "is making dead bug freeform electrical circuit a v...": if it's the pretty kind i'll allow it Patrick - waag:☐☐

17:00:34 Von Dylan Heneck an Alle: Screenshot2025_05_14_170030.jpg Marita Chang:☐☐ Forrest O.:☐☐ Patrick - waag, Ricardo Marques, saheen palayi, Pablo Fab Lab León, Adrián - Fab Lab León:☐☐

17:01:29 Von Patrick - waag an Alle: Replying to "is making dead bug freeform electrical circuit a v...": I guess Niel did not see the question :/

17:01:40 Von Pablo Fab Lab León an Alle: Replying to "Screenshot2025_05_14_170030.jpg": best meme price goes to...Dylan Dylan Heneck:☐☐

17:01:52 Von Patrick - waag an Alle: Replying to "Screenshot2025_05_14_170030.jpg": he has a dedicated page for it x) Adrián - Fab Lab León:☐☐

17:02:12 Von Dylan Heneck an Alle: Replying to "Screenshot2025_05_14_170030.jpg": Maybe for wildcard week we can do Memes Forrest O.:☐☐ Patrick - waag:☐☐

17:02:23 Von Patrick - waag an Alle: Replying to "Screenshot2025_05_14_170030.jpg": <https://fabacademy.org/2025/labs/waag/students/dylan-heneck/projects/meme-directory/> Adrián - Fab Lab León:☐☐

17:02:36 Von Ricardo Marques an Alle: Replying to "is making dead bug freeform electrical circuit a v...": Probably not unless you're cnc bending the wiring... :| Patrick - waag:☐☐

17:02:55 Von shintaro ito:node japan kannai an Alle: omg

17:05:39 Von Pablo Fab Lab León an Alle: Replying to "Screenshot2025_05_14_170030.jpg": O...M....G...

17:08:14 Von Lysander Trapp an Alle: There are 3d printed one on thingy verse made my sister one last year. So I keep getting knitted socks Rico Kanthatham:☐☐

17:08:18 Von Steven an Alle: Turtlestitch - <https://www.turtlestitch.org/>

17:08:42 Von Yuichi TAMIYA an Alle: https://fabacademy.org/2024/labs/kannai/students/koji-yamada/Weekly%20Assignments/Week_15/ Adrián - Fab Lab León, saheen palayi:♥

17:09:23 Von Forrest O. an Alle: Replying to "Turtlestitch - <https://www.turtlestitch.org/>": I have a dragon fractal embroidered shirt from their kickstarter and love it.

17:10:07 Von Richard an Alle: Would it be ok to electroplate 3D prints with copper for the wildcard week? Ricardo Marques:↘

17:10:21 Von shintaro ito:node japan kannai an Alle: In the field of gastronomy, a book like this was published in Japan last year.

It is in Japanese only, but you can read the articles via Google Translate.

Cook to the Future: 24 Future Meals Predicted by a 3D Food Printer" (Japanese only)

<https://mag.tecture.jp/culture/20240317-108449/>

17:10:46 Von Patrick - waag an Alle: is making dead bug freeform electrical circuit a valid wild week option ? (without CNC bend machine)

17:11:20 Von DavidChan an Alle: Is it ok to use UV printer and combine with other machines to making appearance?

17:11:25 Von Patrick - waag an Alle: Replying to "is making dead bug freeform electrical circuit a v...": ok thx

17:12:26 Von DavidChan an Alle: Thank you!

17:13:19 Von Benedikt Feit an Alle: You can solder dead bugs with a robotic arm Patrick - waag:☐☐

17:16:27 Von Lysander Trapp an Alle: Sk8cad will make the mould and board for you

17:16:47 Von Benedikt Feit an Alle: Are water soluble resins for SLA printing plant based?

17:17:06 Von Lysander Trapp an Alle: <https://www.sk8cad.com> Jorge Valerio, Marius Araújo:♥

17:17:37 Von Forrest O. an Alle: Fiberglass supply's slogan "itching for fun." Marius Araújo, Svavar Konradsson Fab Lab Isafjordur:☐☐ Patrick - waag, saheen palayi, Sam, Benedikt Feit:☐☐

17:18:07 Von Lysander Trapp an Alle: For carbon you should wear full on protection

17:18:34 Von Marius Araújo an Alle: Replying to "For carbon you should wear full on protection": Full hazmat, or space suit Lysander Trapp:☐☐

17:20:23 Von Lysander Trapp an Alle: Replying to "For carbon you should wear full on protection": @Marius Araújo That may be over kill. Better safe than sorry.

17:21:09 Von Marius Araújo an Alle: Replying to "For carbon you should wear full on protection": I agree 101%, despite the hyperbole

17:25:43 Von Adrián - Fab Lab León an Alle: Composite process. Vacuum bagging
<https://fabacademy.org/2020/labs/leon/students/adrian-torres/images/week16/week16.27.jpg>

17:26:07 Von Ricardo Marques an Alle: <https://www.youtube.com/watch?v=CnkG2O4VH9k> Marius Araújo:☐☐

17:26:15 Von Ricardo Marques an Alle: youtube links are working, that's likely a browser issue

17:26:38 Von Adrián - Fab Lab León an Alle: Replying to "Composite process. Vacuum bagging <https://fabacademy.org/2020/labs/leon/students/adrian-torres/week16.html>": All the documentation here:
<https://fabacademy.org/2020/labs/leon/students/adrian-torres/week16.html>

17:28:45 Von Steven an Alle: Link to West Systems vacuum bagging guide (pdf) -
<https://www.westsystem.com/app/uploads/2022/10/VacuumBag-7th-Ed.pdf>

17:32:51 Von Lysander Trapp an Alle: Replying to "For carbon you should wear full on protection": Carbon can also kill you high end pc as well. Been there done that Marius Araújo:☹️

17:33:57 Von Lysander Trapp an Alle: Replying to "For carbon you should wear full on protection": I worked for a braiding company that braided carbon. Man I hated walking into that room to fit new bobbins Marius Araújo, Patrick - waag:☹️☹️

17:35:11 Von Lysander Trapp an Alle: Replying to "For carbon you should wear full on protection": @Marius Araújo Yea it can conduct static electrical pulses and if that get into the pc, shorted it out.

17:35:51 Von Marius Araújo an Alle: Replying to "For carbon you should wear full on protection": Dang...

17:37:26 Von jakob an Alle: if one needs compression for composites, how is the composite compressed when dealing with a skinning process?

17:38:18 Von jakob an Alle: Replying to "if one needs compression for composites, how is th...": what would be the size limit of this process?

17:38:40 Von Haw Ren - SG FabLab an Alle: Replying to "For carbon you should wear full on protection": do we need to do the group assignment on COMPOSITE session...? or just focus on individual assignment do make something that you haven't got a chance to "play"...?

17:40:00 Von jakob an Alle: Replying to "if one needs compression for composites, how is th...": and the tape would then be the fiber part, right? then one would need a really really large vacuum bag... that could be difficult.

17:40:35 Von jakob an Alle: Replying to "if one needs compression for composites, how is th...": alright, thanks

17:40:37 Von Adrián - Fab Lab León an Alle: Replying to "if one needs compression for composites, how is th...": Look this <https://fabacademy.org/2020/labs/leon/students/adrian-torres/week16.html>

17:40:39 Von Justyn an Alle: Can we have those requirements again

17:41:03 Von Lysander Trapp an Alle:
<https://dr.ntu.edu.sg/bitstream/10356/81158/1/Damage%20advancement%20behavior%20in%20br%20aided%20composite%20structure%20for%20mini%20aerial%20vehicle.pdf> If any one really loves

braiding this machine is nutz. I was part of the team who built it. Now sits in Singapore

17:41:07 Von Adrián - Fab Lab León an Alle: Remember, Global Open Time returns this Saturday at 10:00 AM Boston Time. Final projects review. Silvana Espinoza, Marius Araújo:♥ Ricardo Marques, Marius Araújo:☐☐

17:41:13 Von jakob an Alle: Replying to "if one needs compression for composites, how is th...": thanks

17:41:24 Von Pablo Fab Lab León an Alle: Replying to "Remember, Global Open Time returns this Saturday a...": most important than ever!

17:42:11 Von Milliam an Alle: Replying to "Remember, Global Open Time returns this Saturday a...": Of course. We have been seeing less students. This is your chance to check your final project Dylan Heneck:☐☐

17:42:36 Von Rico Kanthatham an Alle: Replying to "Remember, Global Open Time returns this Saturday a...": don't be afraid...we don't yell...too much Patrick - waag, Adrián - Fab Lab León:☐☐

17:42:40 Von Pablo Fab Lab León an Alle: Replying to "Remember, Global Open Time returns this Saturday a...": even you dont need to make questions XDD

17:42:45 Von Marius Araújo an Alle: Replying to "Remember, Global Open Time returns this Saturday a...": There to help

17:42:48 Von Milliam an Alle: Replying to "Remember, Global Open Time returns this Saturday a...": We have ChatAdrian Adrián - Fab Lab León, Pablo Fab Lab León, Marius Araújo:☐☐