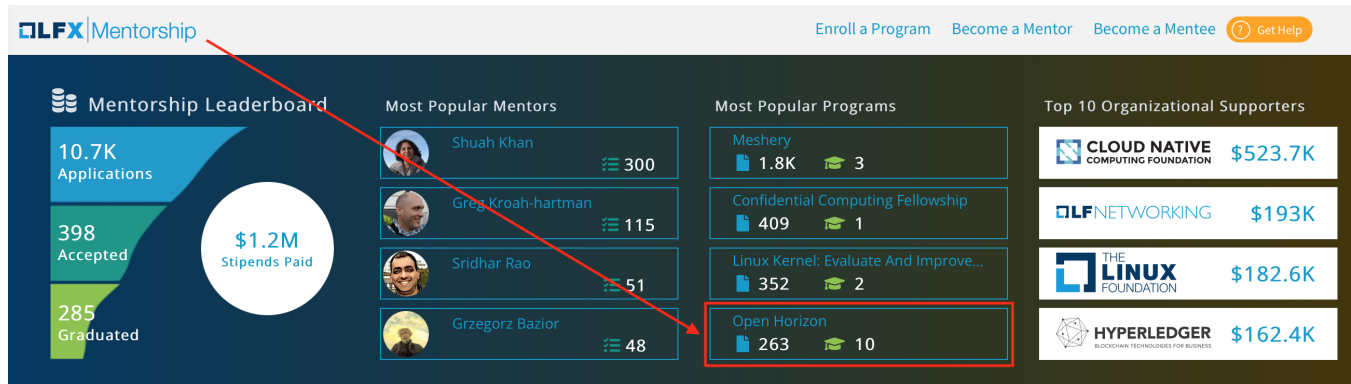# Mentorship Programs

This page is intended to document past and present mentorship programs, events, and participants. It should be an actively-maintained historical record presented in reverse chronological order.

Programs

- LFX Mentorship - this is a program of the Linux Foundation open to all projects and aimed at college students and early career professionals (or those looking to change careers). Open Horizon is one of the most popular mentorship programs in the Linux Foundation's LFX Mentorship program with 263 applicants and 10 graduates (so far).
- RCOS - this is a program of Rensselaer Polytechnic Institute's Center for Open Source, and is intended for students at that college.
- P-Tech - An IBM program for underserved, talented high schoolers.
- IBM JumpStart - this is an IBM-internal program.

If you have a program that should be added to this list, please contact the Outreach Working Group through their mailing list or chat room.

Mentorship Alums

If you have graduated from a previous Open Horizon mentorship, or are actively participating in an existing program, please consider joining the LinkedIn group and chat room.

Current

RCOS Spring 2023 Term

Participants:

- Byungyeon (Harry) Kim - GitHub, LinkedIn
- Yasir Mohamed - GitHub, LinkedIn
- Javier Marin - GitHub, LinkedIn
- Jeff Gao - GitHub, LinkedIn
- Ishan Mukherjee - GitHub, LinkedIn
- Adam Ayan - GitHub, LinkedIn
- Hoang Tran - GitHub, LinkedIn
- William Lewis - GitHub, LinkedIn

IBM JumpStart (H2Pros) Oct, 2022 - Feb, 2023 Technical Challenge

Objective: Hill - H2Pros will design a means of collecting data from a variety of sensors wirelessly, over a long-range, and delivering the data to another Internet-connected device. The new design will include as few changes to the current design as possible.

Program Manager: Duncan Cowell

Technical Lead & Mentor: Jeff Lu

Participants:

- Matt Exworthy - Backend Engineer - SDN Overlay
- Daisy Ngo - ACS Database Support Engineer
- EmilyChan - Technical Support Engineer - Big Data Software
- Andrea Ochoa - Storage Support Engineer
- Ezra Berg - ACS Data Support Engineer

Technical Showcase: https://ibm.ent.box.com/s/6f1qq0aulhskwn9do515q2pw1p0s2wvt/file/1138749056058

Mural Link: https://app.mural.co/invitation/mural/jumpstartbayarea7789/1664919060961?sender=cowelld1196&key=7d5cdecd-c3c6-42ca-a86c-51fbbc19f5d4

P-Tech 3, Winter 2022 P-Tech Co-op

- Adam Lipson
  - Availability:

Schedule							
Time	Monday Jan 23	Tuesday Jan 24	Wednesday Jan 25	Thursday Jan 26	Friday Jan 27	Saturday Jan 28	Sunday Jan 29
8:00AM							
9:00AM							
10:00AM	AMS 301 - 01 Lecture 10:30AM - 11:50AM ONLINE ONLINE		AMS 301 - 01 Lecture 10:30AM - 11:50AM ONLINE ONLINE				
11:00AM							
12:00PM							
1:00PM		CSE 320 - 01 Lecture 1:15PM - 2:35PM Harriman Hall 137		CSE 320 - 01 Lecture 1:15PM - 2:35PM Harriman Hall 137			
2:00PM	GEO 102 - 01 Lecture 2:40PM - 4:00PM ONLINE ONLINE	CSE 303 - 01 Lecture 3:00PM - 4:20PM Frey Hall 104	GEO 102 - 01 Lecture 2:40PM - 4:00PM ONLINE ONLINE	CSE 303 - 01 Lecture 3:00PM - 4:20PM Frey Hall 104			
3:00PM							
4:00PM		CSE 300 - 04 Lecture 4:45PM - 6:05PM Melville Library N4006		CSE 300 - 04 Lecture 4:45PM - 6:05PM Melville Library N4006			
5:00PM							
6:00PM							
7:00PM							
8:00PM							
9:00PM							

  -
  - GitHub: https://github.com/Adamlip1334
  - LinkedIn: https://www.linkedin.com/in/adam-lipson-/
- Angel Smythe
  - Availability:

-
  - GitHub:https://github.com/IBMAngel
  - LinkedIn: https://www.linkedin.com/in/angel-smythe-9b167a1aa/
- Stephen Shaeffer
  - Post schedule here

P-Tech 3, Spring 2023 P-Tech Co-op

Participants:

- Stephen Shaeffer
  - Availability

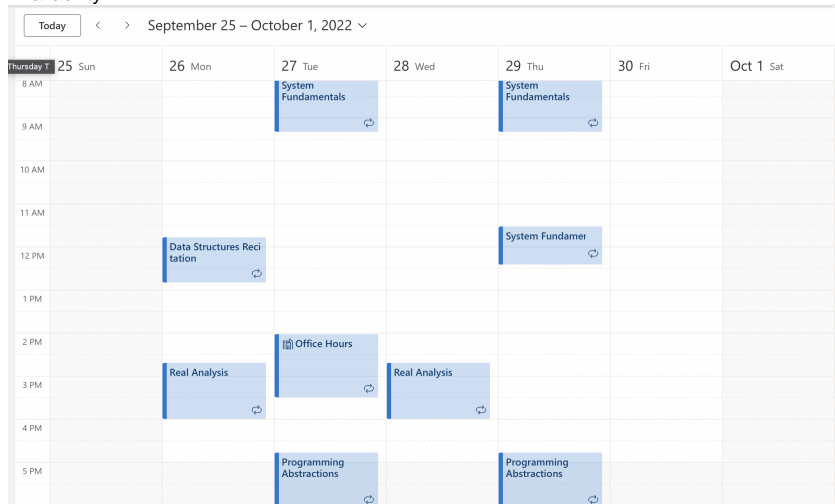| Start Time MT	End Time MT	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Key
								Class
								Work
								Club Activities

- GitHub
- LinkedIn

- Angel Smythe
  - Availability:

  - GitHub: https://github.com/IBMAngel
  - LinkedIn: https://www.linkedin.com/in/angel-smythe-9b167a1aa/

- Timothy Stanford
  - Availability:
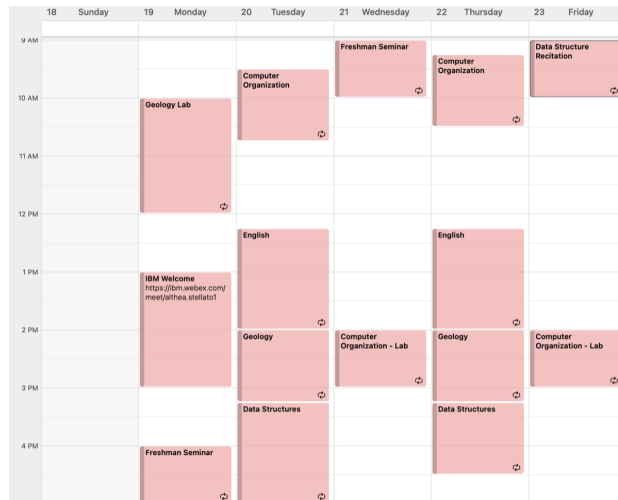
- GitHub
- LinkedIn

- Adam Lipson
  - Availability:

  - GitHub: https://github.com/Adamlip1334
  - LinkedIn: https://www.linkedin.com/in/adam-lipson-/

Propose tasks for students to work on:

- Create route/ui in Liquid Prep App to manage/monitor/view different sensors via wifi and/or bluetooth. (Currently its only connection is via bluetooth for Chrome on Android, and is broken recently on IOS)
- Update firmware to add OTA update support (have updated the firmware to support OTA update without reflashing, just need testing to validate it's working as expected)
- Update firmware to modify current wifi implementation to enable disconnect and join wifi AP (This also has been addressed, need testing)
- Integrate/implement ML/AI models to be managed and distributed by IEAM/OH as containerized workload
- Finalize express server containerization to expose endpoints as a service for Liquid Prep to interact with different sensors
- Finalize deployment pipeline (create/update Dockerfiles)
- Replicate DLR workflow to integrate with Liquid Prep solution to support LoRaWan sensors
- LoRaWan Gateway
- Redis DB?
- Take a look at https://randomnerdtutorials.com/esp32-lora-rfm95-transceiver-arduino-ide/

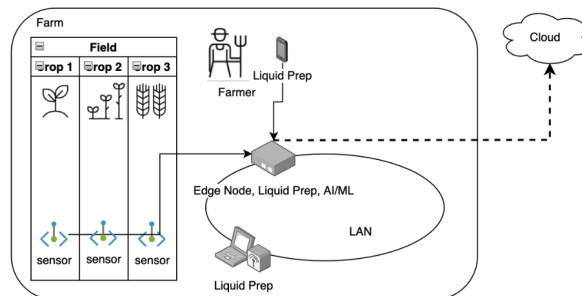Useful links

ESP32 LoRa

Current architecture for the Liquid Prep solution

- Liquid Prep app – Direct connection to cloud
- Interacts with one sensor at a time
- Internet connection is always required
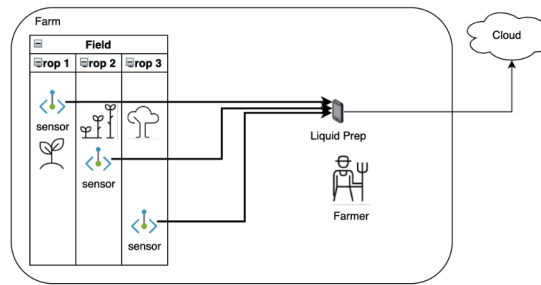
Proposed future architecture of the solution

- Resilient
- Multiple sensors
- Offline/Online
- Data protection and security
- Flexible, scalable & repeatable

History

Fall and Winter 2022 Sixth Mentorship Cohort

RCOS Fall 2022 Term

Final Presentation

Participants:

- Julian Chen - GitHub, LinkedIn
- William Li - GitHub, LinkedIn
- Mahi Pasarkar - GitHub, LinkedIn
- Cherry Bommu - GitHub, LinkedIn
- Oscar Li - GitHub, LinkedIn

Summer 2022 Fifth Mentorship Cohort

RCOS Summer 2022 Term

Participants:

- Roger Shen - GitHub
- Tahira Tariq - GitHub

Spring 2022 Fourth Mentorship Cohort

RCOS Spring 2022 Term

Participants:

- Jeff Gao - GitHub, LinkedIn

IBM JumpStart 3 (placeholder name)

Participants:

- Name here - GitHub, LinkedIn

LFX Spring 2022 Term

Participants:

- Abhijay Jain - GitHub, LinkedIn
  - LinkedIn & Twitter posts about joining this term
- Ruchi Pakhle - GitHub, LinkedIn
  - LinkedIn & Twitter posts about joining this term

Fall 2021 Third Mentorship Cohort

Orientation: Video, Slides

RCOS Fall 2021 Term

Participants:

IBM JumpStart 2 (placeholder name)

Participants:

- Eli Latocki - GitHub, LinkedIn
- Marhababanu Chariwala - GitHub, LinkedIn
- Vineeth Vijayan - GitHub, LinkedIn
- Ben Zimmerman - GitHub, LinkedIn

LFX Fall 2021 Term

Participants:

- Anushree Sabnis - GitHub, LinkedIn
  - LinkedIn post about participating
- Unnati Chhabra - GitHub, LinkedIn
  - LinkedIn post about joining this term

P-Tech 2 (Blue Screeners)

Participants:

- Ethan Pusey - GitHub, https://www.linkedin.com/in/ethanpusey/
- Luis Daniel Serrano - GitHub, https://www.linkedin.com/in/luis-daniel-serrano-423ba028/
- Fredy Augusto Morales Vasquez Jr. - GitHub, https://www.linkedin.com/in/fredy-morales-vasquez-jr-71224a21a/
- Aaron Salmon - GitHub, https://www.linkedin.com/in/aaron-salmon-b0743121a/

- Jesus Leon - https://github.com/JL9866, https://www.linkedin.com/in/jesus-l-69b01221a/
- Ynes Ineza - https://github.com/Yineza9, https://www.linkedin.com/in/ynes-ineza-9a596a219/
- Claudia Luna-Marcelino - GitHub, https://www.linkedin.com/in/claudia-luna-marcelino-5725781a3/
- Antonio Coates - GitHub, LinkedIn

P-Tech 1 (TechTerns)

Participants:

- Cristina Almazan - GitHub, LinkedIn
- Jordan Chesley - GitHub, LinkedIn
- Karina Reyes-Mendez - GitHub, LinkedIn
- Lysander Hernandez - GitHub, LinkedIn
- Victor Martinez - GitHub, LinkedIn

Spring and Summer 2021 Second Mentorship Cohort

IBM JumpStart 1 (placeholder name)

Participants:

RCOS Summer 2021 Term

Participants:

Presentation:

- YouTube video (12 minute segment)
- Slides (PDF format)

P-Tech 1 (placeholder name)

Participants:

LFX Spring 2021 Term

Participants:

- Debabrata Mandal - GitHub, LinkedIn
- Megha Varshney - GitHub, LinkedIn
- Mustafa Al-Tekreeti - GitHub, LinkedIn
- Quang Hiep Mai - GitHub, LinkedIn

Fall 2020 First Mentorship Cohort

LFX Fall 2020 Term

Participants:

- Anukriti Jain - GitHub, LinkedIn
- Clement Ng - GitHub, LinkedIn
- Edidiong Etuk - GitHub, LinkedIn
- Han Gao - GitHub, LinkedIn

Webinar:

- YouTube video (53 minutes)

Blog:

FAQ

- Where can I read more information about the LFX Mentorship program, including schedule?
  The documentation for the program is found at https://docs.linuxfoundation.org/lfx/mentorship and covers those topics.