

Franton Lin

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Education

- **Franklin W. Olin College of Engineering** – Needham, MA May 2018
Candidate for Bachelor of Science in Electrical and Computer Engineering
- **The Hotchkiss School** – Lakeville, CT May 2014
High School
 - Introduction to Algorithms (MIT online), Linear Algebra, Discrete Mathematics

Experience

- **Ivani LLC** – Intern – Dardenne Prairie, MO Summer 2015 – Present
 - Performing user research and designing UI/UX for current projects
- **Olin College of Engineering** – IT Technician – Needham, MA Fall 2014 – Spring 2015
 - Troubleshooting and resolving software and hardware problems with computers
- **NASA Glenn Research Center** – SCan Intern – Cleveland, OH Summer 2014
 - Investigated Delay/Disruption Tolerant Networking (DTN) applications
 - Developed C program that collected Bluetooth connectivity opportunity data between multiple Raspberry Pi's, which will be used to test DTN algorithms
 - Performed research on mathematical assumptions pertinent to deep space laser communication for the Integrated RF and Optical Communications (iROC) project
- **AIM Laboratory at UConn** – Intern – Storrs, CT Summer 2013
 - Involved in developing buoyancy and propulsion systems for AUV project
 - Worked on implementing L1 adaptive control theory in quadcopter autopilot systems and in vision-based obstacle avoidance
- **Eastern Connecticut State University** – IT Intern – Willimantic, CT Summer 2012
 - Assisted with router and switch setup and configuration, worked on server installation and Powershell scripts, and developed images using Microsoft SCCM 2012

Projects

- Worked on a team in Software Design that created Kyzr, a virtual torch passing application for Android phones; designed and implemented the Flask back end and the website front end Spring 2015
- Built a theremin for Introduction to Sensors, Instrumentation and Measurement (ISIM) using ultrasonic transducers, op-amp and RC circuits, and an Arduino Fall 2014
- Researched underwater ROV design and constructed, debugged, and tested an OpenROV for the Hotchkiss School Science Department Fall 2013 – Spring 2014
- Initiated and led Science Club's Arduino-controlled radiator cover project, which will reduce the amount of energy wasted from over-heating dorm rooms Fall 2012 – Spring 2014
- Reproduced a version of the classic Pong game in Java Spring 2013

Technical Skills

- Languages: Python, Java, C, HTML, CSS, and Powershell
- Programs: MATLAB, \LaTeX , GitHub, Adobe Photoshop, Sibelius 7, and FL Studio
- Hardware: Analog Discovery USB Oscilloscope, soldering, and DSLRs

Leadership and Activities

- Research of Electric Vehicles at Olin (REVO) 2015 – present
- Ink, Inc. (screen printing club) – *co-founder, officer*: 2015 2015 – present
- PowerChords (auditioned mixed-gender a cappella group) – *assistant music director*: 2015 2014 – present
- Science Club – *head*: 2013, 2014 2010 – 2014
- Varsity Cross Country – *captain*: 2014 2010 – 2014