

Aaron Wubshet

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EXPERIENCE

DRAPER | SIGNAL ENGINEERING INTERN

Jan & June - Aug 2017 | Cambridge, MA

- Used a universal software radio peripheral (USRP) and laptop set up using GNU Radio to create local GSM network.
- Created a sector level LTE simulator implemented using MatLab to model aggregate power levels with variable input channel propagation models

BAIN & COMPANY | BUILDING ENTREPRENEURIAL LEADERS PROGRAM PARTICIPANT

Aug 2017 | Atlanta, GA

- Introduced to strategic consulting and accelerated learning opportunities for prospective consultants
- Worked alongside Bain case team to tackle real Bain client's business issue

MIT CONSULTING GROUP | TREASURER AND TECHNICAL CONSULTANT

Feb 2016 - Present | Cambridge, MA

- Manage a quarterly budget of approximately \$ 20,000 as treasurer while providing clients with a wide array of consulting services including prototype testing, market penetration strategies, employee retention plans, wage matrix evaluation, geographic market analysis, and partnership evaluation.
- Clients range from big tech to start-ups to cash-in-transit

MIT MAKERLODGE | ELECTRONICS TEAM LEAD AND WEBMASTER

Feb 2017 - Present | Cambridge, MA

- MIT MakerLodge is an initiative to create a centralized shop training infrastructure for undergraduates to learn how to use shop tools ranging from laser cutters to drill presses to soldering irons.
- Served as the co-head of the electronics training team guiding students through basic a training involving soldering, circuit design, and debugging as well as WebMaster to keep trainings sign up slots accessible to freshmen

PROJECTS

SPEAKER TRACKING SYSTEM

Apr - May 2017 | Cambridge, MA

- Created a target following speaker system that turned to face the target as it moved around as well automatically adjusting the volume
- Designed and implemented the system using an Intel microcontroller as well as Cypress PSoC Bluetooth module

NOISE CANCELLATION

Mar - Apr 2017 | Cambridge, MA

- Investigated and simulated noise cancellation methods using basic feedback control patterns as well as designed custom physical speaker system enclosure
- Built circuitry to recreate the simulation results on the physical speaker

MOVIE RATING WEBAPP

September 2016 | Cambridge, MA

- Created a Firebase powered social multimedia platform with a feedback based value system where group members have a time changed vote weight depending on past reliability in picking enjoyable movies



EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

BS IN ELECTRICAL ENGINEERING
Expected June 2019 | Cambridge, MA
GPA: 4.3

SKILLS

TECHNICAL

Inventor/SolidWorks	...
Python
MatLab
Eagle PCB Designer
Computer Architecture	...

LEADERSHIP

Cash flow and Accounting
Logistics and Organization	...
People Management

RESEARCH

SPACE SYSTEMS LABORATORY (SSL) AT MIT

Designed self-testing photodiode amplifier module for nanosat electronics team working under Prof. Kerri Cahoy

RESEARCH LABORATORY OF ELECTRONICS (RLE) AT MIT

Experimentalist under Prof. Marin Sojatic creating transparent displays with nanoparticles dispersed in polymer matrix

COLD MOLECULES AND QUANTUM INFORMATION LAB AT GT

Experimental apparatus designer under Prof. Ken Brown working with laser modulation system to ion trap Ca^{2+}