

Brenda Zanze

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Objective: I am looking for opportunities to further develop my coding skills solving interesting problems while exploring everything from web development to analytics to design.

Education

Massachusetts Institute of Technology

June 2018 | Cambridge, MA

- Candidate for Bachelor of Science in Mechanical Engineering with Concentration in Control, Instrumentation and Robotics

Relevant Coursework

- Interconnected Embedded Systems (IoT), Computation Structures, Introduction to Algorithms, Elements of Software Construction

Work Experience

MIT Women In Technology Program (*Residential Tutor*)

Jun-July 2016 | Cambridge, MA

- Worked with 40 rising high school seniors, teaching them introductory EE concepts as well as how to use digital multimeters, oscilloscopes and function generator
- Hosted office hours in and out of lab to assist students with homework

Cruise Automation (*Intern*)

Jan 2016 | San Francisco, CA

- Optimized workflow for assembly of power harness and fuse blocks for self driving cars
- Generated BOMs and documented process of car buildup
- Collaborated in conducting a time study for car buildup

MIT Information Systems & Technology (*API Dev Intern*)

Jun-Aug 2015 | Cambridge, MA

- Collaborated in an Agile work environment both as a developer and scrum master to develop RESTful APIs
- Wrote sample code in PHP, Python, Java and Javascript for SDKs
- Analyzed Oracle forms and worked with SQL to transfer data to new tables

Leadership

MIT Campus Preview Weekend (CPW/Kapow) Co-Chair

Jan-Apr 2016 | Cambridge, MA

- Collaborated with 2 co-chairs to organize the logistics for a 350 person dorm in preparation of a welcome weekend for over 2500 students and parents
- Managed a \$5000 budget, allocating money to events and food
- Communicated with event leaders and dealt with last minute issues

MIT Undergraduate Practice Opportunities Program

Oct 2015-Present | Cambridge, MA

- Engaging in a yearlong professional development program to develop essential skills such as communication and teamwork

Projects

The Fridgening (in collaboration with another student)

Apr-May 2016 | Cambridge, MA

- Designed, coded and created an Internet Of Things refrigerator monitor to collect data about when the fridge was open and the temperature on a Teensy and send it to server using a wifi module
- Analyzed data to create plot.ly graphs and send real-time emails if the door was left open for 5 minutes

Art Projects

June 2016-Present | Cambridge, MA

- Used AutoCAD to design fonts and then laser cut them out of various materials

Web Development

June 2016-Present | Cambridge, MA

- Learning how to use Terminal, Git and Meteor to design and update club websites

Skills

Computer Languages

- Python, C/C++, Basic Java, Basic HTML/CSS/Javascript

Tools

- General shop knowledge (bandsaw, CNC router, laser cutter, etc.)
- Basic AutoCAD

Foreign Languages

- Greek (fluent), French (conversational)