


Annabelle Platt

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EDUCATION:

Olin College of Engineering 2019 - 2023
Needham, MA
Bachelor of Science in Engineering,
Concentration in Robotics
Recipient of 50% tuition merit scholarship

Ipswich High School 2015 - 2019
Ipswich, MA

RELEVANT COURSEWORK

Data Science Fall 2020

- Using R to visualize and analyze datasets
- Learning Exploratory Data Analysis and how to think critically about data

Software Design Fall 2020

- Reviewing Python techniques
- Learning best practices for writing and documenting software and using Git

Quantitative Engineering Analysis Spring 2020

- Learned linear algebra by using PCA to build an algorithm to identify plankton
- Learned multivariable calculus by programming robots to drive parametric curves

Intro to Sensors, Instrumentation, and Measurement Fall 2019

- Designed and built circuits that use sensors to detect physical quantities and filter noise

Modelling and Simulation of the Physical World Fall 2019

- Used Python to model the effect of climate change on plankton density

SKILLS:

SolidWorks • Onshape
Python • R • MATLAB • HTML • CSS
Git • Github
Microsoft Excel • MiniTab
Arduino • Ubuntu • Wordpress
Circuit analysis • Linear algebra
Wood and Metal shop tools
Figma • Adobe Illustrator

EXPERIENCE:

Onshape - User Experience Intern June - August 2020
Onshape is a cutting-edge cloud-based CAD system

- Worked as a User Experience intern analyzing improvement requests, building, testing, and revising mockups
- Conducted user interviews with real Onshape users
- Some features worked on are now live in Onshape

Ipswich River Watershed Association - Education Apprentice June - August 2019

Ipswich River Watershed Association is a nonprofit that seeks to protect the Ipswich River and educate people about where their water comes from and how to protect it

- Designed lesson plans and worked with summer camps and educational groups to teach children and adults about the Ipswich River, water conservation, and stormwater
- Worked on developing the organization's new website and updating resources about town water systems to make water quality information more accessible to the public

Medtronic - Intern September 2018 - May 2019

Medtronic designs and produces medical devices

- Part of an exploratory engineering internship at Medtronic for women engineers
- Learned about optimizing production line design and created DOEs (Design of Experiments) for catheter development

Analog Devices - Intern July - August 2018

Analog Devices designs and manufactures electronic components

- Built RC cars to use as testbeds for developing autonomous vehicle sensors
- Gained exposure to the Robot Operating System (ROS) and an introduction to the challenges and developing solutions of autonomous vehicles

FIRST Robotics Competition Team 5459 - Mechanical Head

January 2015 - May 2019

Part of team that builds a robot to compete in the FIRST Robotics Competition yearly challenges

- Responsible for organizing the design and fabrication of FRC competition robot
- Founding team member and executive committee member
- Dean's List Award International Finalist (2017) for exceptional leadership, technical expertise, and accomplishment