Elizabeth Gaylord
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Education

Massachusetts Institute of Technology (MIT)   Cambridge, MA
- B.S. in Mechanical Engineering, Electrical Engineering and Computer Science   June 2018
- Relevant Coursework: Differential Equations, Mechanics and Materials, Dynamics and Control, Design and Manufacturing, Software Construction, Thermal-Fluids Engineering, Intro to Robotics, Robotics: Science and Systems, Artificial Intelligence, Product Engineering Processes, Cognitive Robotics

Saint Dominic Academy   Auburn, ME
- Relevant Coursework: AP Calculus, AP Computer Science, Programming in Java   May 2014

Work Experience

Northrop Grumman Corporation   Manhattan Beach, CA
Product Engineering Intern   May 2017 - August 2017
- Generated CAD models using best practice standards for a part library used by the entire department.
- Created test assemblies and drawings for Wafer Level Packaging research and development.
- Designed and laid out Monolithic Microwave Integrated Circuit packages.
- Coordinated with manufacturing engineers to design and produce Cu-Diamond heat spreaders.

Software Engineering Intern   May 2016 – August 2016
- Analyzed program demo code for bugs, vulnerabilities, and duplicate blocks using SonarQube.
- Ran scans through Ant build scripts and set up a company server to publish the results for longevity.
- Worked in a team of five to design and create a library of helper classes for messaging service code in order to improve ease-of-use and create reusable code for the Joint STARS Recap Program.

Leadership Experience

Gordon Engineering Leadership (GEL) Program   Cambridge, MA
Teaching Assistant   September 2017 – June 2018
- Hosted office hours and private tutoring for students
- Coordinated with the program and professor to alter the form of the class to aid in student learning

Next House Executive Committee   Cambridge, MA
Undergraduate Association (UA) Representative   January 2017 – January 2018
- Spoke and voted on behalf of dormitory at meetings with other living group leaders and the Undergraduate Association.

Activities

Peer Educator (PLEASURE@MIT)	January 2017 - June 2018
UPOP Production Assistant	January 2017 – June 2018
Associate Advisor	April 2015 – June 2018
Society of Women Engineers	September 2014 – June 2018
Gordon Engineering Leadership Program (GEL)	April 2016 – May 2017
Undergraduate Practice Opportunities Program (UPOP)	September 2015 – September 2016
CodeIt! Mentor	September 2015 – December 2016
Kappa Alpha Theta Awards Director	November 2014 – November 2015

Skills

Programming: Java, Python, Arduino, C#, C++, MATLAB, PHP, HTML/CSS, Microsoft Visual Basic
CAD: Creo, Solidworks, AutoCAD
Machining Tools: CNC machining, mills, lathes, band saws, drill presses, shears, chop saws, etc.