

## Education

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### 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

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### 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

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### 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

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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

Codelt! Mentor

September 2015 – December 2016

Kappa Alpha Theta Awards Director

November 2014 – November 2015

## Skills

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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.