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## Education & Employment

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### Drexel University

Philadelphia, PA

Bachelor of Science in Mechanical Engineering

Anticipated Graduation: June 2019

### Montgomery County Community College

Bluebell, PA

Guest Art/Design Student

September 2015 to December 2015

### Southco, Inc

Concordville, PA

Automotive Engineering Co-op

September 2014 to March 2015

- Mechanical engineering intern at global headquarter of industry leading access hardware engineering firm
- Used NX to design parts for FDM, machining, and injection molding
- Researched and developed prototypes of an electromechanical marine latch
- Designed assembly fixtures to improve manufacturing speed and lower physical strain of assemblers
- Presented conceptual design to Chrysler under NDA to compete with rival companies
- Communicated with a number of Southco manufacturing facilities in China and Mexico

### Harbor Designs & Manufacturing

Baltimore, MD

Design Engineer Co-op

September 2016 to March 2017

- Industrial designer and mechanical engineer intern for ISO 9001 and 13485 certified company that designs and manufactures consumer, industrial, and biomedical products
- Used Solidworks to design parts for rapid prototyping and mass production
- Designed camera enclosure prototype for the defense industry
- Designed weather & tamper-resistant enclosure for an intrusion detection device to be installed in warehouse facilities of the largest internet retailer in the US
- Designed onboard information system mounting solutions for all Caltrans Surfliner trains
- Communicated with customers in regular meetings for project kickoff, design review, and finalization

## Skills

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**Software:** Solidworks, NX, AutoCAD, Adobe Photoshop, Illustrator, InDesign, Microsoft Office Suite

**OS:** Windows 7, Windows 10, macOS, iOS, Android

## Design Experience

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### Drexel University

Philadelphia, PA

Toy Design

March 2014 to June 2014

- Designed a toy to help students learn the basics of gear ratio and get interests in STEM field

### Personal Projects

Bryn Mawr, PA

Portfolio Development

June 2016 to Present

- Designed a computer chassis focusing on compact size and uncompromising features
- Designed a desk-top speaker stands with unique height adjustability function

## Volunteer Experience

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### Vision Care

Washington D.C. / Los Angeles, CA / Seoul, S.Korea

Volunteer Nurse Assistant/Sterilization Manager

June 2012 to Present

- Travel to different countries each year to assist doctors and nurses with surgical procedures
  - Educate student and adult volunteers on how to safely use sterilization machines
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