

[YoungYoo Kim]

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[Education]

Drexel University

Bachelor of Science in Mechanical Engineering

Philadelphia, PA

Anticipated Graduation in Summer 2019

Montgomery Country Community College

Guest Art/Design Student

Bluebell, PA

Winter 2015

[Employment]

Harbor Designs & Manufacturing

Design Engineer

Baltimore, MD

Sep. 2016 – Mar. 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

Southco, Inc

Automotive Engineer

Concordville, PA

Sep. 2014 – Mar. 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 several Southco manufacturing facilities in China and Mexico

[Technical Skills]

CAD

Design Using – Solidworks, Siemens NX, PTC Creo, AutoCAD, Onshape, SketchUp

Design For – Injection molding, Laser cutter, CNC Machine, Lathe, 3D Printing (FDM, SLA, SLS)

Essentials

Operating Systems – Windows 7, Windows 10, macOS, iOS, Android

Microsoft Office – Word, PowerPoint, Excel, Outlook, OneNote

Graphic Design – Adobe Creative Suite (Photoshop, Lightroom, Illustrator, InDesign)

Web Design – HTML, CSS, Javascript