Young Yoo Kim| volumeduo@gmail.com | 267-644-8785 | 275 S Bryn Mawr Ave, APT D11, Bryn Mawr, PA 19010 |

Please visit <http://youngyoo.cf/> for the full portfolio

|  |  |  |
| --- | --- | --- |
| **Education & Employment** | | |
| **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**

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

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

**Design Experience**

|  |  |
| --- | --- |
| **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**

|  |  |
| --- | --- |
| **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