SHUNSUKE KASAHARA

EXPERIENCE

Mechanical Design Engineer – WHILL, Inc.
Jun. 2017 – Aug. 2017 (Yokohama, Japan)
- Developed a new model of personal mobility vehicle in a team of three through market research, product competitor benchmark, mechanical design and analysis.
- Took an initiative to devise and develop a software that optimizes mechanical specifications for the new model; the software was also implemented for developement of other models.
- Designed and built a user-friendly push-button testing machine with 4 times more efficiency.

Product Design Engineer – Focus Eye
Sep. 2016 – May 2017 (Abu Dhabi, UAE)
- Collaborated with a software engineer/graphic designer to create a user-friendly autofocus system for a cinematic camera.
- Designed and built a hardware for LiDAR object detection/tracking, motorized focus adjustment, and touch panel operation system.

Engineer – URBZ
Jan. 2017 – May 2017 (Abu Dhabi, UAE & Mumbai, India)
- Collaborated with community experts of an informal settlement in Mumbai, to develop cost effective and locally sustainable approaches to manage air pollution from firing pottery kilns.
- Designed and built an experimental chimney, with an option to install a low cost wet-scrubbing filtering system to remove particulate matter from the realeased smoke.

EDUCATION

Mechanical Engineering (B.S.) – New York University Abu Dhabi
Aug 2015 – May 2019 (Abu Dhabi, UAE & New York, U.S.)
- Awarded full scholarship.
- GPA: 3.8

SKILLS

Languages
- English
- Japanese (Native)
- Chinese (Elementary)

Mechanical Design
- CAD (Solidworks)
- DFM/DFA
- FEA
- Engineering Drawing

Design
- Design Thinking
- Design Sketching
- Prototyping
  (3D printer, Laser cutter, CNC milling machine, Woodworking, Electronics, and Microcontrollers)
- Illustrator
- Photoshop

Programming
- Python
- MATLAB
- Processing
- C/C++ (Basic)
- HTML and CSS

Others
- Scouting (Eagle Scout)
- Brazilian Jiu-Jitsu

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