

SHUNSUKE KASAHARA

EXPERIENCE

Mechanical Design Engineer – WHILL, Inc.

Jun. 2017 – Aug. 2017 (Yokohama, Japan)

- Developed a new model of personal electric 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 development of other models.
- Designed and built a user-friendly switch endurance test machine with 4 times more efficiency.

Product Design Engineer – Focus Eye

Sep. 2016 – May 2017 (Abu Dhabi, UAE)

- Collaborated with a software engineer/cinematographer to create a user-friendly autofocus system that allows intuitive focus pulling for cinematic application.
- 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 released 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
- GD&T
- Tolerance Analysis

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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