

Shunsuke Kasahara

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New York University, Saadiyat Island, Abu Dhabi, UAE | Haginodai 3-10-8, Ikoma, Nara, Japan

EXPERIENCE

Product Design Engineer Intern – LIVIN farms, Ltd.

May 2018 – Present (Shenzhen, China/Hong Kong/Abu Dhabi, UAE)

- Led a team of three (an Industrial Designer/CEO/Founder and a Marketing Specialist) in the development and design of a new consumer electronics product for desktop edible-insect farming.
- Achieved a 65% cost reduction compared to the existing model through critical function selection, material and process selection, BOM optimization, cost analysis and DFX analysis.
- Coordinated with Chinese suppliers to produce sheet metal, 3D-printing (injection moulding prototype), and packaging parts for the upcoming Kickstarter campaign.
- Devised a cost-effective method to reduce the operational fan noise by 50% for the existing and new model, through research and experiments.

Mechanical Design Engineer Intern – WHILL, Inc.

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

- Developed a concept for a 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 and existing models.

Product Designer, Hardware Engineer – Focus Eye

Sep. 2016 – May 2017 (Abu Dhabi, UAE)

- Designed and built a hardware for a user-friendly autofocus system for cinematic applications, utilizing a LiDAR, motors, a touch panel and 3D printed parts.

Engineer – URBZ (Social Impact Project)

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.

EDUCATION

Mechanical Engineering (B.S.) – New York University Abu Dhabi

Aug. 2015 – May 2019 (Abu Dhabi, UAE/New York, U.S./Shanghai, China/Berlin, Germany)

- Awarded full-ride scholarship
- GPA: 3.8

SKILLS

Languages

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

Design

- Industrial Design
- Rapid Prototyping
- Machine Shop Tools
- Adobe CC
- Basic Ergonomics

Engineering

- CAD (Solidworks, NX)
- FEM (ANSYS)
- DFM/DFA
- BOM Management
- 2D Drawing (GD&T)
- Tolerance Analysis
- Statistical Process Control
- Supply Chain Management
- Basic Electronics

Programming

- Python
- MATLAB
- Processing
- Arduino
- JMP
- HTML and CSS

Others

- Scouting (Eagle Scout)
- Brazilian Jiu-Jitsu (Blue Belt)