

Veronica Lee

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EDUCATION

New York University Abu Dhabi

BACHELOR OF SCIENCE, MECHANICAL ENGINEERING; MINOR IN DESIGN

Abu Dhabi, UAE

August 2015 - May 2019

- Full Academic Scholarship

EXPERIENCE

Designer, Structural Engineer

SOLAR DECATHLON MIDDLE EAST

Abu Dhabi, UAE

March 2017 - Present

- Collaborated on a team of four to design a full architectural model of the LEED Certified house in the UAE.
- Designed a structural model of the house and performed assessment of structural and wind loads; assisted in material selection and construction method development.

Mechanical Engineer

URBZ USER GENERATED CITIES

Mumbai, India

Jan 2017 - June 2017

- Conducted ethnographic fieldwork in the local community to develop cost effective and locally sustainable approaches to manage air pollution from firing pottery kilns.
- Designed and built a chimney with wet scrubbing system to remove particulate matter from the released smoke

Design Engineer, Project Manager

IGEM (INTERNATIONAL GENETICALLY ENGINEERED MACHINE)

Abu Dhabi, UAE / Boston, USA

May 2016 - October 2016

- Led NYUAD team to silver medal for developing a non-laboratory mechanism for Shiga Toxin detection responsible for the majority of foodborne E. coli infections.
- Designed and built a hardware of portable device to be used by food vendors as well as consumers to verify the safety of their products.

ACTIVITIES/VOLUNTEERING

Vice President/Workshop Coordinator

WE STEM (WOMEN EMPOWERED IN STEM)

Abu Dhabi, UAE

January 2016 - Present

- Organized High School Conference for 50 girls to encourage them to pursue careers in sciences and engineering.
- Conducted engineering workshops to provide hands-on experience with microcontrollers and manufacturing tools for girls with different levels of experience.

Volunteer

HABITAT FOR HUMANITY INTERNATIONAL

Nakhon Ratchasima, Thailand

March 2015

- Participated in a six day program to build much-needed houses in the rural community of northeastern Thailand.
- Conducted an extensive ethnography research to explore the challenges of energy sustainability in the region and presented the findings.

SKILLS

- **Prototyping:** 3-D printing, Sketching, CNC milling, Laser cutting, Woodworking, Electronics and AVR microcontrollers
- **Programming:** Python, HTML and CSS, MATLAB
- **Software:** CAD (Solidworks), Autodesk Revit, Adobe Creative Suit, MS Office
- **Languages:** Russian (native), English
- **Others:** Varsity basketball