

# Veronica Lee

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## EDUCATION

### New York University Abu Dhabi

BACHELOR OF SCIENCE, MECHANICAL ENGINEERING WITH CONCENTRATION 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 in a team of four to design a full architectural model of the LEED Certified house in the UAE.
- Developed 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

- Developed and built a chimney with wet scrubbing system to manage the air pollution resulting from firing pottery kilns in the local community of Mumbai.

### Design Engineer

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

WESTEM (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.
- Designed and sent bimonthly newsletters advertising STEM-related events in the region and beyond.

### Varsity Team Player

NYUAD WOMEN'S BASKETBALL

Abu Dhabi, UAE

September 2015 - Present

- Awarded "Athlete of the month" for exemplifying outstanding character and leadership in athletics.
- Awarded "Most Valuable Player" award for high performance in the Intercollegiate League game.

### 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
- **Software:** 3D CAD (Solidworks), Autodesk Revit, Adobe Creative Suit, MATLAB
- **Programming:** Python, HTML and CSS
- **Languages:** Russian (native), English