# Janet He

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## Education

**University of California, San Diego** Exp. Graduation: June 2019
Major: Cognitive Science w/Specialization in Design and Interaction Major GPA: 3.62
Minor: Engineering Mechanics
*Relevant Coursework*: Design for Development, Data Science in Practice, Introduction to Java I & II

## Projects

**Solar Car Project,** Electrical Engineering Team
*Engineers for a Sustainable World*
June 2017–Present San Diego, CA

- ☐ Currently building a 6-ft long solar-powered, remote-controlled, cross-country automobile
- ☐ Collaborating with our counterpart Mechanical Engineering team to integrate car chassis and wiring/power
- ☐ Roles range from grading solar cells, to soldering solar cell arrays, to implementing protection systems using Arduinos

**Water Harvesting Organization Project**
Apr 2018–June 2018 San Diego, CA

- ☐ Collaborated with One Step Initiative to design a first flush system for rainwater harvesting in an urban Nepalese community
- ☐ Conducted user research, stakeholder analysis, and needs and capacity assessment for the project
- ☐ Designed and created a water diverter type flush system prototype with PVC pipes

**WebReg Redesign Project**
Dec 2017 San Diego, CA

- ☐ Worked with a team to design a mock prototype of UCSD's course enrollment and scheduling page
- ☐ Conducted interviews to collect data and feedback in order to create a human-centered solution
- ☐ Drafted and refined WebReg features, improving discoverability, feedback, and mapping

**Society of Women Engineers Team Tech**
Mar 2017–June 2017 San Diego, CA

- ☐ Designed an adjustable clip-on phone camera lens for video recording an up-close soldering process
- ☐ 3D-printed a zooming sliding mechanism for the camera lens using focal points and concavity for optimization

## Experience

**California Space Grant Consortium UCSD Summer Internship**
June 2016–Aug 2016 San Diego, CA

- ☐ Built microcomputers using Arduino microcontrollers to record data for near space balloon launch
- ☐ Wrote code for analog input devices including an accelerometer, temperature sensor, potentiometer, voltage sensor, and gyroscope sensor
- ☐ Integrated and soldered analog input devices onto Arduino that recorded data onto a microSD card

**Skills**: Project Management, Java, Python, AutoCAD, soldering, Github, HTML/CSS, building conceptual models, cognitive mapping, human-centered design, MATLAB, Microsoft Excel, Apple Technician Certified