

Angela H. Xu

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EDUCATION

University of California, San Diego, La Jolla, CA

OCTOBER 2014 – JUNE 2019

- ❖ Electrical Engineering B.S., Cognitive Science minor
- ❖ Cumulative GPA: 3.402
- ❖ Extracurriculars: Project-in-a-Box, Society of Women Engineers, Design @ UCSD

WORK EXPERIENCE

LabVIEW Programming: Design and Applications, La Jolla, CA—*Teaching Assistant*

APRIL 2018 – JUNE 2019

- ❖ Providing instructional support during class sessions and outside-of-class time office hours as well as assisting with assignment creation and grading.

UCSD Project-in-a-Box, La Jolla, CA—*Tutor*

OCTOBER 2017 – JUNE 2019

- ❖ Developing technical projects with step-by-step documentation to teach students various hands-on skills in hardware and software.
- ❖ Designing science and engineering-related hands-on project kits for middle school and high school students learning in classroom and workshop settings.
- ❖ Supervising and assisting students in the makerspace lab.

PROJECTS

Audrey's Cafe

JANUARY 2019 – MARCH 2019

- ❖ Designed a website for an on-campus cafe based on client and customer needs.
- ❖ Built interactive prototypes for mobile and desktop versions of the website and tested them on customers.

Freshpresso

APRIL 2019 – JUNE 2019

- ❖ Designed an interactive kiosk for ordering drinks in an on-campus coffee shop setting based on observations of customer behavior and findings from user interviews.
- ❖ Built an interactive prototype that included a touchscreen interface within a life-sized physical prototype of the kiosk.
- ❖ Created branding for a fictional company behind the kiosk.

WeCycleIt

APRIL 2019 – JUNE 2019

- ❖ Designed and built a prototype for a web app geared toward homeowners to easily find nearby facilities to recycle difficult-to-dispose-of items.

Dotmote Labs

JUNE 2016 – PRESENT

- ❖ Designed, tested, and deployed an Arduino-based data-logging module that measures and records temperatures at multiple heights over time to aid climate research at UC Berkeley and University of Washington.
- ❖ Helped develop preliminary prototypes for a module that determines the rate of sap flow through plants to aid in plant biology research.
- ❖ Working on designing company website and branding.

SKILLS

Software

- ❖ Adobe Photoshop
- ❖ Adobe InDesign
- ❖ Adobe Illustrator
- ❖ Figma
- ❖ Sketch
- ❖ InVision
- ❖ Autodesk Fusion 360
- ❖ EAGLE
- ❖ Microsoft Office

Coding

- ❖ HTML
- ❖ CSS
- ❖ Javascript
- ❖ Python
- ❖ MATLAB
- ❖ Arduino C
- ❖ Terminal/command line

Hardware

- ❖ Arduino microcontrollers
- ❖ PCB design
- ❖ Soldering
- ❖ Laser cutting
- ❖ 3D printing

RELEVANT COURSEWORK

- ❖ Usability and Information Architecture
- ❖ Practicum in Pro Web Design
- ❖ Interaction Design
- ❖ Prototyping
- ❖ Fast Prototyping
- ❖ Human-Computer Interaction Programming Studio
- ❖ Rapid Hardware and Software Design
- ❖ Art of Product Engineering
- ❖ Engineering Hands-On Group Project
- ❖ LabVIEW Programming: Design and Applications

AWARDS

- ❖ UCSD ECE 2019 Undergraduate Student Service Award