


Cathy C. Hsieh

Recent Graduate Software Engineer


(619) 851 - 3835 

cchsieh@ucdavis.edu 


<https://linkedin.com/in/cchsieh> 

<https://cathy86224.github.io/Portfolio/> 

EDUCATION


2015 - 2020  **Bachelor's Degree in Computer Science and Engineering**
University of California, Davis

RELEVANT EXPERIENCE | Davis, CA


Jul. 2019  **UI / Frontend Web Developer Intern** | *Facilities Energy & Engineering department*
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Oct. 2020

- Ship substantial features and new pages to production, while supporting multiple devices and browsers via responsive design.
- Collaborate cross-functionally with engineering, product, and design teams.
- Contributed and created new features to Campus Energy Education Dashboard (<https://ceed.ucdavis.edu/>), TherMOOstat (<https://thermoostat.ucdavis.edu/>), and Carbon Neutrality Dashboard (*under development*).
- Toolchain: React/Redux, Node.js, MongoDB, GraphQL, HTML, CSS, Jira, BitBucket, Invision.


PROJECTS | Davis, CA

Jan. 2020  **Embedded System Projects**
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Mar. 2020

- Built a smart toaster that connects to WiFi and AWS IoT.
- Developed a Pac-Man and DTMF controller with the combination of software and hardware on the TI CC3200 LaunchPad with Adafruit parts.
- Project website link: <https://cchsieh2.wixsite.com/eec172/>
- Toolchain: C, SPI, I2C, MQTT, AWS, Git, Oscilloscope, Logic Analyzer




Jan. 2019  **Interactive Educational App for Clinical Ophthalmology**
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Jul. 2019

- Developed an educational iOS app that presents high-yield content in flashcard form to optimize efficiency and performance on ophthalmology exams.
- Toolchain: Xcode Swift


Jan. 2019  **Environmental Data Collection App for Tanzania - User Interface**
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Mar. 2019

- Developed a user friendly Android app that reports any inappropriate environmental incidents in Tazama.
- Toolchain: Qt Creator (qml)

SKILLS

Software  JavaScript, React/Redux, HTML, CSS/SASS, Bitbucket, GitHub, Node.js, GraphQL, Jira, C, C++, Python, MongoDB, Swift, MatLab, QML, R, Qt Creator
Hardware  3D Printing, Drill Press, Laser Cutter/Engraver, Soldering
Languages  Fluent in Chinese Mandarin and Taiwanese

AWARD

Mar. 2020  **Honorable Mention**
Embedded System Project - Smart Toaster