

BRENDA YAU

Software Engineer

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EDUCATION

San Francisco State University – San Francisco, CA

Aug 2019 – Present

- ▶ Bachelor of Science, Computer Science. **Graduation Date: January 2022**

EXPERIENCE

Software Engineer Intern @ Infinite Options — San Jose, CA

Feb 2020 – Aug 2020

Web E-Commerce Meal Delivery Platform – **React, CSS, Python, Netlify, Git**

- ▶ Delivered live e-commerce web application through Netlify to 2000+ customers.
- ▶ Implemented React frontend supported by Python Flask/MySQL backend.
- ▶ Restyled original desktop/Chrome-only app to be responsive + cross-browser compatible.
- ▶ Collaborated with mobile platform team to reinforce consistent overall user interface + design.

Marketplace Web Application – **HTML, CSS, JS**

- ▶ Built marketplace web application for surplus company items with HTML/CSS/JavaScript.
- ▶ Gained core styling knowledge in Flexbox, multiple-column layout, and accessibility.
- ▶ Communicated with UI/UX design team to implement and refine Illustrator wireframes.

Programming/Robotics Instructor @ ArtSmart Studios — San Mateo, CA Jun 2016 – Aug 2016

- ▶ Administered daily Scratch programming + LEGO robotics classes of 50+ students.
- ▶ Mentored students on coding concepts like conditionals/loops through pair-programming.

PROJECTS

b&b — **React, Node.js, Express, MongoDB**

Jul 2020 – Present

- ▶ Delivered live website for local café in a freelance team through Netlify.
- ▶ Collaborated with design team to implement Figma wireframes and build on store branding.
- ▶ Implemented Node.js/Express/MongoDB backend and responsive React/CSS frontend.

Omlet — **React, Node.js, Express, MongoDB, Figma, Jira**

Jun 2020 – Present

- ▶ Designed study app with hierarchical flashcard organization and gamified studying.
- ▶ Collaborated with design team to conduct user research and implement Figma wireframes.
- ▶ Implemented React frontend and Node.js/Express/MongoDB backend.
- ▶ Enforced cross-browser compatibility and mobile-responsiveness with CSS.

Social Art Platform — **HTML, CSS, Node.js, Express, MySQL, Adobe XD**

Feb 2020

- ▶ Built a social web platform for artists to share illustrations and connect with each other.
- ▶ Designed user interface wireframes using Adobe XD with attention to accessibility.
- ▶ Implemented responsive HTML/CSS frontend + Node.js/Express/MySQL backend.

Smart Microwave — **Python, Node.js, Express, Arduino, IoT**

Feb 2019

- ▶ Won Best Hardware/Internet of Things Hack at SLOHacks 2019.
- ▶ Reverse-engineered microwave to attach circuit board I/O to Qualcomm Dragonboard 410c.
- ▶ Implemented Node.js mobile-optimized web app + image recognition with Google Cloud Vision.
- ▶ Added voice + facial recognition using Amazon Alexa skills with Python to lock/unlock door.