

Samantha Liu

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EDUCATION

Cornell University

Ithaca, NY

Bachelor of Arts, Computer Science, GPA: 3.94

Expected May 2022

Relevant Courses: Web Development, Design and Programming for the Web, Computing Using Python, Object-Oriented Programming and Data Structures, Discrete Structures, Computer System Organization and Programming

SKILLS

Languages: Python, Java, JavaScript

Web/App Development: React, Node.js, React Native, Android Native, Express, Flask, HTML, CSS, PHP, SQL, NoSQL, SQLAlchemy

WORK EXPERIENCE

WAY Holdings, Inc.

Remote

Software Engineer Intern

May 2020 – Aug 2020

- Developed customer and merchant-facing mobile and tablet applications for a contactless payment system utilized by more than 40% of restaurants in Cornell University's Collegetown in Ithaca, NY.
- Led UI implementation on a team of three other developers based on backend microservice architecture.
- Produced an Android tablet version of the merchant application, increasing accessibility to the product by 700% and reducing capital expenses associated with the iOS version by more than 71%.

Dandilyonn

Remote

Mobile Application Development Intern

May 2020 – Aug 2020

- Directed development of a mobile recipe app helping users reduce food waste by recommending recipes utilizing existing pantry and fridge ingredients and collaborated with three teammates to bring the project from idea to product.
- Implemented a personalized virtual pantry and customized recipe recommendations to each user by integrating real-time data from Google Firebase and a recipe API with over 360,000 recipes.
- Developed project architecture comprising of Backend as a Service and a React Native frontend framework for iOS and Android.

Ethic Investing

New York, NY

Software Engineer Intern

Expected May 2020 – Aug 2020 (Cancelled Due to COVID-19)

- Redesign current full-stack technologies to empower investors to manage passive equity portfolios specific to sustainable investment and educate clients on the significance of sustainable investment in positively impacting the future of the environment.

PROJECTS

Facebook Messenger, Case Study

Aug 2020

- Prototyped a feature for the Facebook Messenger web application allowing users to more easily manage chats by selecting multiple chats to hide or delete, a more efficient method than the current implementation requiring users to individually delete or hide chats.
- Incorporated analysis of customer interviews and user testing into product design, ensuring this feature's ability to streamline chat management particularly when concerning a large number of chats.

EZSave, React/Express/Node.js/Google Firebase

May 2020

- Created a web application to track personal finances, enabling users to input expenses and see budget statistics and expense history.
- Directed frontend implementation by designing UI, establishing frontend architecture, and integrating backend functionality.
- Built a backend server to support a dynamic application with real-time data fetching and client-side input.

LEADERSHIP & COMMUNITY INVOLVEMENT

Asian American Intervarsity, Cornell University

Ithaca, NY

Large Group Coordinator

November 2019 – Present

- Facilitate weekly events with up to 60 attendees featuring speakers and discussion groups centered on topics relevant to student life and worldview.
- Mentor and oversee an event planning team of 10 students in organizing events to engage the Cornell student community.