Samantha Liu

sl2486@cornell.edu • 518-461-1388 • 2498 Angelina Drive, Niskayuna, NY 12309 • http://samliu10.github.io/

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 & Frameworks: 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 restaurants in Cornell's Collegetown and downtown Ithaca.
- Led UI implementation based on backend microservice architecture.
- Produced an Android tablet version of the merchant application, increasing accessibility to the product and reducing capital expenses associated with the iOS version.

Dandilyonn   **Remote**
Mobile Application Development Intern   May 2020 – Aug 2020
- Directed development of a mobile recipe app enabling users to 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.
- Developed project architecture comprising of Backend as a Service and a React Native frontend framework compatible with 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

uniSwift, Case Study   **May 2020 – Aug 2020**
- Prototyped a professional and closed communication platform facilitating more effective and efficient communication between university administration, faculty, and students.
- Incorporated analysis of customer interviews and user testing into product design, ensuring the product's ability to solve problems in higher education amplified by COVID-19.

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 featuring speakers and discussion groups centered on topics relevant to student life and worldview.
- Mentor and oversee an event planning and social media team in organizing events to engage the Cornell student community.