

Software Engineering Professional

Tech savvy and highly adaptable professional with hands-on experience in various facets of software engineering and research. Competent at analyzing existing software as well as designing and testing end-user applications that meet user needs. Possesses in-depth experience in developing websites by utilizing HTML, CSS, JavaScript and React. Proficient at writing well-designed, testable, and efficient code using current best practices. Skilled at using Python in research settings to run machine learning models, as well as creation of scripts to manage variety of tasks, including dataset processing and automated dataset analysis.

- Able to ideate software solution in accordance with customer needs and coordinate iOS app development.
- Proven expertise in spearheading and managing complex projects from conception to execution.
- Capable of transforming complex requirements into optimized, scalable, and maintainable web applications and software by leveraging excellent programming skills.

Technical Proficiencies

Programming Skills: Python · PyTorch · HTML · CSS · JavaScript · React · TensorFlow · Java · Swift · SQL · Dart · Flutter · C++

Academic Highlights

Cornell University, College of Engineering, Ithaca, NY

Aug 2018 - May 2022

B.S. Computer Science (Honors) | Cumulative GPA: 3.92 | Dean's List | Tau Beta Pi Honor Society

Expanded understanding on numerous courses, including Object Oriented Programming · iOS App Development · Trends in Web Development · Backend Development · Functional Programming · Algorithms · Operating Systems · Machine Learning (ML) · Natural Language Processing (NLP) · Computational Linguistics · Large Scale ML · Artificial Intelligence · Databases.

Career Experience

Cornell University, Ithaca, NY

Sep 2020 – Present

NLP Undergraduate Research Assistant advised by Prof. Claire Cardie

- Introduced a novel framework for automating error analysis in document-level information extraction tasks.
- Developed and deployed an effective Python script, reducing time taken for qualitative analysis from 10 hours (estimated) to 10 seconds for 200 documents.
- Abstract accepted into the [SciNLP Workshop](#) at Automated Knowledge Base Construction (AKBC) 2021.

Cornell University, Ithaca, NY

Sep 2020 – May 2021

Teaching Consultant · Python

- Evaluated each individual student's performance and learning by grading assignments.
- Facilitated faculty to advise on educational curriculum by holding office hours, while responding to student queries.
- Won best teaching award from the CS department.

Levare, [Website](#)

Aug 2020 – Nov 2020

Non-Profit Volunteer · Frontend Developer

- Improved website traffic by redesigning online storefront and website for a small Black woman-run clothing business.

GroopCam, [App Store Preview](#)

Jul 2020 - Aug 2020

iOS Developer Intern

- Utilized Swift to integrate in-app sharing of photos to social media sites, email, and iMessage.
- Adhered to beta testing and market research data in redesigning app navigation and recommending improvements to the user interface.

forIndiaToday, [GitHub](#)

Jul 2020 - Oct 2020

Non-Profit Volunteer · Lead Frontend Developer

- Used Flutter and Dart to code an Android app for connecting daily wage earners with new jobs.
- Delivered support to manage job applications by developing web app via utilization of JavaScript, HTML, CSS, and React framework.

Key Projects

CU!Unite, [GitHub](#)

- Consolidated information about clubs and jobs across Cornell's campus by developing a web app.
- Frontend - JavaScript, HTML, CSS, React · Backend and authentication – Node.js, Firebase

Agape Adopts, Big Red Hacks 2019 Beginner Prize, [Devpost Page](#)

- Programmed a web app in Vue.js, HTML and CSS to promote charities by allowing users to adopt a virtual pet and watch it grow, while supporting non-profits.