

Peter Wu

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Education

Cornell University

Aug. 2019 - Current

Bachelor of Science in Computer Science 2023

GPA: 3.983 | Relevant Coursework: Object-Oriented Programming & Data Structures, Discrete Structures, Multivariable Calculus, Functional Programming, Linear Algebra, Analysis of Algorithms, Machine Learning

Skills / Awards

Programming Languages: JavaScript, TypeScript, Java, Python, OCaml, HTML/CSS, C++

Technologies: Git, Node.js, React, Redux, Express.js, Firebase, Numpy, WebSockets, CI/CD, Google Cloud Platform

Awards: USA Computing Olympiad Gold Division, Cornell Math Contest in Modeling Runner-Up Winner, Dean's List (all possible semesters), USA Biology Olympiad Semifinalist, Best Webapp Award at HackMHS IV

Experience

Google, *STEP Intern*

May 2020 - Aug. 2020

- Developed Overnightly, an app that eases travel planning by algorithmically finding a place to stay based on given locations, suggesting places based on filters, and planning optimal itinerary routes.
- Designed the project's system architecture and backend schema, documenting significant implementation strategies in the design doc to assist in collaboration with teammates.
- Delivered well-tested code enforced by a CI pipeline by increasing the backend test coverage to over 95% using JUnit and Mockito.

Cornell University, *Course Staff*, Ithaca, NY

Jan. 2020 - Current

Spring 2020: Trends in Web Development (30+ students), Fall 2020: Functional Programming (400+ students)

- Hold office hours for students, providing one-on-one tutoring and assistance with concepts.
- Grade and write feedback on assignments through a course management system.

Cornell Design & Tech Initiative, *Software Developer*, Ithaca, NY

Oct. 2019 - Current

- Working on Samwise, an online student planner, with a team of designers, product managers, and web developers. The app currently has over 200 active users.
- Creating responsive frontend and UI with React and TypeScript interacting with a Redux store, while following the Git branching and CI/CD workflow.

MBS Accounting Technology & Advisory, *Web Developer Intern*, New York, NY

July 2018 - Aug. 2018, July 2019 - July 2019

Worked as a web developer for two summers for the largest outsourced bookkeeping firm in NYC, servicing over 180 firms.

- Developed a mobile-responsive webapp for a "Client Hub" with a React + Express + Node.js stack, building mobile-responsive UI components interacting with backend API endpoints.

Projects

Distributed Texas Hold 'Em Poker | Node.js, socket.io, Express

Apr. 2020

Webapp allowing for players across multiple devices to join rooms and play Texas Hold 'Em poker. Evaluates unit tests using the Jest framework on the game logic, which was implemented from scratch.

Outbreak | OCaml, Node.js, React

Strategy game based on *Plague Inc.* made as my final project submission for CS 3110 (Functional Programming). Implements game logic and middleware using OCaml, with a frontend created in React.

Class Reveal | HTML5, CSS3, JavaScript

Aug. 2018

Website made to crowdsource schedule and roster data for students across the school district, reaching over 2,500 students in the district in the summer of 2018. The current site is no longer under my control, and may have changed since.