

# Peter Wu

✉ [peterlingwu@gmail.com](mailto:peterlingwu@gmail.com) 🌐 <https://peterwu.dev> ☎ (609) 508-7717 in <https://www.linkedin.com/in/peterlingwu/> 🌐 ptwu

## Education

### Cornell University

Aug. 2019

Bachelor of Science in Computer Science 2023

GPA: 3.983 | Relevant Coursework: (Fall 2019) Object-Oriented Programming & Data Structures, Discrete Structures, Multivariable Calculus. (Spring 2020) Functional Programming, Linear Algebra

## Skills / Awards

**Technologies:** JavaScript - Node.js, ES6+, React, HTML/CSS, Java, TypeScript, Express, Python, Redux, OCaml, Firebase, WebSockets, jQuery

**Workflow:** Git + Branching workflow, Agile, Continuous integration / deployment, GitHub Actions

**Awards:** Cornell Math Contest in Modeling Runner-Up Winner, USA Computing Olympiad Gold Division, Dean's List, USA Biology Olympiad Semifinalist, Science Olympiad NJ States 1st Place Team, Best Webapp Award at HackMHS IV

## Experience

### Google Inc., *STEP Intern*, Virtual Internship

May 2020 - Aug. 2020

- Developed Overnightly, an app that eases travel planning by algorithmically finding a place to stay based on given locations.
- Planned tech architecture by creating diagrams, mockups, and backend schema in the design doc prior to implementation.
- Followed industry conventions in the development of the project, using libraries such as Guava and AutoValue to reduce boilerplate, while using ES6 syntax, test-driven development, RESTful API design, and database transactions.
- Set up continuous integration enforcement on the GitHub repository, aiming to reach 100% backend unit test coverage through JUnit.

### 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 office hours on concepts.
- Grade and wrote feedback on assignments through a course management system.

### Cornell Design & Tech Initiative, *Frontend Developer*, Ithaca, NY

Oct. 2019 - Current

- Working on Samwise (<https://samwise.today>), an online student planner, with a team of designers, product managers, and web developers. The app currently has over 200 active users.
- Creating responsive front-end 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.