Jason Tung

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github.com/jason-tung

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Education

Cornell University, Ithaca, NY College of Engineering 2019-2023

B.S. in Computer Science expected May 2023

Relevant Coursework: Computer System Organization and Programming, Data Structures and Functional Programming, Object-Oriented Design and Data Structures (Honors), Discrete Structures, Linear Algebra, Multivariable Calculus, Basic Engineering Probability and Statistics

Stuyvesant High School, New York, NY 2015-2019

Advanced Regents Diploma with Honors • *Relevant Coursework:* AP Calculus BC, AP Computer Science, Computer Graphics, Systems Level Programming, Software Development, AP Physics C

Experience

Enroute (`https://app.enroute.digital/`)   **June 2020 - August 2020**

Full Stack Developer
- Built frontend using React and MaterialUI
- Connected frontend and backend using AWS Amplify and Cognito user pools
- Designed backend flow and implemented it using AWS Lambda functions and AWS API Gateway calls as middleware

Cornell DTI, Ithaca, NY (`https://github.com/cornell-dti/samwise`)   **October 2019 - Present**

Full Stack Developer
- Full stack developer for the Samwise project on Cornell Design & Tech Initiative
- Combine React and Firestore to render group tasks using realtime user data
- Implement ical integration to automatically pull and update assignments from Canvas

Cornell University, Ithaca, NY (`https://webdev.cornelldti.org/`)   **February 2020 - Present**

Teaching Assistant
- Teaching assistant for INFO 1998 - Trends in Web Development
- Grades assignments where students create web pages and applications using various modern web development tools such as Express and React
- Holds weekly office hours to help students with assignments

Selected Projects

DeepPlayer (`https://github.com/kieracawley/DeepPlayer`)   **Spring 2018**

Backend Developer
- Programmed and trained a neural net in Python to generate country music for Stuyhacks, a local hackathon.

MNIST Recreation (`https://github.com/jason-tung/mnist`)   **Spring 2018**

Backend Developer
- Programmed and trained neural net in Java and interface in Processing that reads hand drawn numbers

Skills

Languages: JavaScript (ES6, Node.js), Java, Python, OCaml, C, Scheme, Netlogo, HTML, CSS
Libraries & Frameworks: Typescript, React, MaterialUI, Express, Flask, Bootstrap, Foundation, Jinja
Tools & Technologies: Firebase, SQL, MongoDB, AWS (Amplify, Cognito, Lambda, Gateway), GCP, Digital Ocean

Honors

- **1st Place,** CS 2112 GUI Contest Winner (2019)
- **3rd Place,** Cornell University High School Programming Contest (2018)
- **Honorable Mention,** StuyHacks (2018)
- **Commended Student,** NMSQT National Merit (2018)
- **AP Scholar with Distinction,** CollegeBoard (2018, 2019)