

Tony Yang

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Education

Cornell University

May 2022

Bachelor of Arts in Computer Science

Relevant Coursework: OOP and Data Structures, Discrete Structures, Functional Programming, Linear Algebra

Skills & Awards

Technologies: Java, Python, Kotlin, HMTL5, CSS, JavaScript, OCaml, Dart

Tools: Android Studio, Git, LaTeX, Vim, Flutter

Awards: Tanner Dean's Scholar

Experience

Cornell Design & Tech Initiative

Oct. 2019 – Current

Software Developer · Cornell University

- Developer for a selective project team on campus, working on Carriage, a platform for requesting CULift paratransit service rides, with a team of designers, product managers, and web developers.
- Created an iOS and Android app using Flutter
- Gained experience with the Git branching workflow.

Genomic Open-source Breeding informatics initiative (GOBii)

June 2018 – Aug. 2018

Software Developer Intern · Ithaca, NY

- Developed a platform that a comparative analysis of genotype files and report differences.
- Implemented a parser that reads genotype files containing 1000+ lines of genome sequences and metadata.
- Integrated application with GOBii's scalable genomic data management system

Barwick Lab – Cornell Department of Economics

June 2017 – Aug. 2018

Research Assistant · Ithaca, NY

- Compiled over 200 quarterly and annual financial reports for major Chinese automobile firms using financial databases.
- Analyzed new car technologies and their impact on the rapid product quality improvement in the Chinese auto industry

Projects

Pollack

- Developed as the final project for CS 2110, where a person tries to find an orb in a maze and return back to the entrance in the least steps possible.
- Implemented Dijkstra's Shortest Path Algorithm, DFS, BFS, Min/Max Heaps, and Selection Sort while optimizing performance and time complexity.
- Produced an algorithm that beat the professor's score, which ranked 4th in the class.

Tattler

- A native Android app for the Tattler (news publication) with a responsive UI and navigation.
- Implemented a Java frontend and Django backend for app that displays articles from a database.
- Designed app layout and content to uphold accessibility standards