Tony Yang

https://tyang.netlify.com | txy3@cornell.edu | 607-279-3568

Education

Cornell University
B.A. in Computer Science
College of Arts and Sciences
Expected May 2022 | Ithaca, NY
GPA: 3.79 / 4.0

Relevant Courses

OOP & Data Structures
Functional Programming
Intro to Analysis of Algorithms
Discrete Structures
Linear Algebra

Fall 2020:
Programming Languages & Logics
Systems Programming
Multivariable Calculus

Skills

Programming
Experienced
Java • JavaScript (ES6, React) • OCaml

Familiar
Python • Kotlin • Dart • HTML/CSS

Tools
Android Studio • Flutter • LaTeX
Vim • Git

Awards
Tanner Dean's Scholar

Links

www.github.com/tyang98
www.linkedin.com/in/tyang98

Experience

Zalko
Frontend Developer
Jul 2020 – Current | Ithaca, NY

- Develop Zalko, a social media app that allows users to create and share video content, using React Native and TypeScript
- Create a responsive frontend and UI for the app and completely redesign captions, posts, and profile components

Cornell Design & Tech Initiative
Software Developer
Oct 2019 - Current | Ithaca, NY

- Working on Rider, an app for requesting rides from Cornell's paratransit service, with a team of designers, product managers, and software developers
- Implement a responsive frontend for the iOS and Android app with Flutter, while following the Git branching and CI/CD workflow

Genomic Open-source Breeding informatics initiative
Software Development Intern
June 2018 - Aug 2018 | Ithaca, NY

- Developed an application that performs a comparative analysis of genotype files
- 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

Projects

mediaRec | React, Python (Flask)

- A webapp that provides users with song and movie recommendations
- Implement recommendation algorithm/logic using Flask, with a responsive frontend created in React

OScrabble | OCaml

- A functional implementation of the board game Scrabble with local multiplayer as my final project submission for CS 3110 (Functional Programming)
- Implemented word checking logic using a Trie to verify whether a proposed word is a real Scrabble word, and a complete scoring system

Tattler | Java, Python (Django)

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