Tony Yang

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Education

Cornell University
B.A. in Computer Science
Expected May 2022 | Ithaca, NY
College of Arts and Sciences
GPA: 3.786 / 4.0

Coursework

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 • OCaml • Python
Familiar
JavaScript (ES6, React, React Native)
Kotlin • Dart • HTML/CSS

Tools
Android Studio • Flutter • LaTeX
Vim • Git

Awards
Tanner Dean's Scholar

Links

 tyang98
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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 redesigned various 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 mobile/backend developers.
- Implement a responsive UI for the iOS & 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)
- Develop a webapp that provides movie and song recommendations based on user preferences.
- 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.