

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](#)

 [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 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 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)

- 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.