Tony **Yang**

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Education

Cornell University   *Ithaca, NY*
B.A. IN COMPUTER SCIENCE | MINOR IN MATHEMATICS   *Expected 2022*
- GPA: 3.85
- Relevant Coursework: OOP & Data Structures, Functional Programming, Analysis of Algorithms, Discrete Structures, Database Systems, Linear Algebra, Programming Languages & Logics, Operating Systems, Applicable Algebra*, Embedded Systems*, Computer Networks* (* = planned)

Experience

Capital One   *McLean, VA*
INCOMING SOFTWARE ENGINEER INTERN   *Jun. 2021 - Aug. 2021*

Cornell Design & Tech Initiative   *Ithaca, NY*
SOFTWARE DEVELOPER   *Oct. 2019 - Current*
- Working on Rider, a ride-share app for students with disabilities on campus, with a team of designers, product managers, and developers
- Implement a responsive frontend for the iOS and Android app with Flutter, while following the Git branching and CI/CD workflow
- Built reusable widgets and integrated REST APIs with the frontend of the app

Cornell University   *Ithaca, NY*
TEACHING ASSISTANT   *Jan. 2021 - Current*
- Hold office hours and grade assignments for students
- Spring 2021 - present: Functional Programming (400+ students) and Trends in Web Development

Genomic Open-source Breeding informatics initiative   *Ithaca, NY*
SOFTWARE DEVELOPMENT INTERN   *Jun. 2018 - Aug. 2018*
- Developed an application that performs a comparative analysis of genotype files
- Implemented a parser that efficiently reads genotype files containing over 2000 lines of genome sequences and metadata.
- Integrated application with GOBii's scalable genomic data management system

Projects

lang
OCAML   *Oct. 2020 - Dec. 2020*
- An interpreter and static type checker for my own functional programming language *lang*
- This language includes a small standard library, module system, pattern matching, and custom user-defined data types

Moody - Hack Our Campus
REACT NATIVE, TYPESCRIPT   *Aug. 2020*
- An iOS and Android tracker app meant for users to track and reflect on their emotions, as well as provide encouragement for users
- Integrated Google Dialogflow to create a Chatbot that sends encouraging quotes and memes based on users' mood
- Placed top 3 for the hackathon's Mental Health category

mediaRec
REACT, FLASK, PYTHON   *Jul. 2020. - Aug. 2020*
- Develop a webapp that provides movie and song recommendations based on user preferences using Spotify API and TMDb API
- Implement recommendation algorithm/logic using Flask, with a frontend created with React

Skills

Languages	Java, OCaml, Python, JavaScript (ES6, React, React Native), TypeScript, Dart, Kotlin, HTML/CSS
Technologies and Tools	Android Studio, Flutter, LaTeX, Vim, Git, Node.js, Firebase, Express, PostgreSQL
Awards	Tanner Dean's Scholar
Communication	English, Chinese