Jack M. Greenberg

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Education

Cornell University - Expected graduation 2023

Selected courses:

- Computer Science: CS 2112: Honors Object Oriented Programming and Data Structures, CS 3110: Data Structures and Functional Programming (current), ECE 2300: Digital Logic and Computer Organization (current).
- Math: Multivariable Calculus, Linear Algebra (current), Discrete Structures (current).

Employment

Outland Analytics, June 2017 - Present

- As a part-time software developer at a startup working on improved land monitoring, I write and maintain our backend software, coordinating several servers and other cloud services. I also advise on technical decisions, and in the early days spent significant time creating demo software for the backend and for embedded devices.

Programmer at the Buckler Lab at Cornell, July 2018 - October 2018, July 2019 - August 2019

- I worked full-time (summers) programming for researchers at Cornell. The lab was beginning to create an ecosystem of tools for plant breeders, and to that end I began redesigning and reimplementing a field phenotype collection app, first using Kotlin and Android framework, and later using Google's Flutter framework. In a related effort, I also performed maintenance on autonomous data collection robots to increase data collection efficiency, and created other software to aid researchers.

Extracurricular Activities

Cornell AppDev, 2019 - present

- Backend developer working on app to replace iClickers for classroom polls. Part of a large team practicing industry standards for development.

Code Red Robotics, 2015 - 2019

- As head of the programming subteam, I led the design and implementation of robot code for this FIRST Robotics Competition team. This involved not only architecting a maintainable system in Java to manage the robot functions, but also leading a small team of programmers and coordinating with other subteams working on the robot.

Chromebook Tech Club, 2015 - 2019

- As a founding member, I worked with district IT to coordinate student-provided repairs and technical support for Chromebooks issued to all students by my school.

Skills

- Selected programming languages: Kotlin, Rust, Java, JavaScript/NodeJS, Dart, Python
- Experienced with software development for servers, desktop, and mobile, as well as integrating with Google Cloud Platform, AWS, and IBM cloud.
- Software: Linux, Git version control; IntelliJ IDEA family of IDEs, and much more