

# William Long

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## EDUCATION

**Cornell University**, College of Engineering  
Bachelor of Science, Computer Science  
GPA: 3.63

*Ithaca, NY*

**Expected May 2021**

**Relevant Courses:** Data Structures, Linear Algebra, Discrete Structures, Functional Programming, Digital Logic and Computer Organization, Probability Models and Inferences

**Current Courses:** Embedded Systems, Algorithms, Practical Tools for Operations Research

## PROFESSIONAL EXPERIENCE

### Fidelity Investments

*Durham, NC*

*Software Engineering Intern*

**May 2018 – Aug 2018**

- Worked on a machine learning bot that predicts incident ticket group assignments
- Implemented cookie usage in requests made to service now API
- Made an API using Node.js and Python to create and store a machine learning model in a pickle file
- Created a Jenkins pipeline build to deploy a web push notification app into QA and Production

### The Pingry School

*Basking Ridge, NJ*

*Coding Intern*

**Summer 2016, 2017**

- Created a Google Doc Add On that helps students format essays
- Trained teachers to use computer science to facilitate classroom learning

### Dana Farber Cancer Institute

*Boston, MA*

*Coding Intern*

**July 2015 – Aug 2015**

- Built a program using Python that reads data taken from genome sequencing
- Analyzed Bigwig files to output readings to a text file

## PROJECTS

### Engineering Career Fair App

**Sep. 2017 – Present**

- Collaborated with group of 3 to develop the Engineering Career Fair Android app
- Utilized SQLite database to implement user lists functionality
- Enhanced the UI for the homepage and company list page using Java and XML

### Gannon's Ice Cream App

**Aug. 2018 – Present**

- Working on a react native mobile app for Gannon's Ice Cream shop
- Authenticated users and kept track of purchases using Firebase backend
- Managed dependencies for IOS build using CocoaPods

### Cornell Mars Rover

**Sep 2018 – Present**

- Member of software subteam for Cornell Mars Rover project team
- Created a Ros node and corresponding command line interface to capture images at different exposures

## SKILLS

**Programming Languages:** Java, Python, JavaScript, OCaml, C++, HTML, CSS, XML

**Frameworks:** Node.js, Express, Angular, React Native, SQLite, Android Studio, Docker, Jenkins

## ADDITIONAL EXPERIENCE

**Activities:** Boy Scouts of America, Delta Tau Delta, Cornell 3 Day Startup

**Honors:** Eagle Scout, Dean's List Fall 2017, Spring 2018 and Fall 2018, AP Scholar with Distinction

**Additional Interests:** Baseball, Basketball, Bowling, Camping