

## EDUCATION

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### **Dartmouth College**

*Bachelor of Arts in Computer Science (Major) and Mathematics (Minor); GPA: 3.4*

Hanover, NH

*Sept. 2015 – June 2019*

## EXPERIENCE

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### **Capital One**

*Software Engineer Intern*

Richmond, VA

*June 2018 – Present*

- Developing batch file processing module to migrate messaging infrastructure to cloud with AWS Lambda, Python, and Apache Kafka.

### **DALI (Digital Arts, Leadership, and Innovation) Lab**

*Software Engineer*

Hanover, NH

*Mar 2018 – Present*

- Led development of Tarsier Goggles, a virtual reality experience that simulates the sight of tarsiers, which are nocturnal primates with enormous eyes and special visual traits. Unity3D, SteamVR, C#.
- Redesigned and programmed depth-of-field blur filter to emulate the tarsier's predatory adaptation.

### **Dartmouth-Hitchcock Space Medicine Innovations Lab**

*Research Assistant*

Lebanon, NH

*Nov 2017 – Mar 2018*

- Cleaned and analyzed audiology test data on hundreds of subjects for a longitudinal study in order to determine the quantitative contributions of HIV duration and antiretroviral therapy to hearing loss.
- Developed and tested a automation program to update and generate over 100 Matlab scripts to query databases. Python, mySQL, SQLite.

### **Dartmouth Computer Science Department**

*Teaching Assistant*

Hanover, NH

*Jan 2017 – Present*

- Taught weekly review sessions and office hours for 8-10 students to review CS fundamentals such as program structure, objects, and recursion. Python.

## TECHNICAL SKILLS

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**Languages:** Python, Java, Javascript, HTML, CSS, C#, SQL

**Technologies:** Bash, Git, React, Android Development, AWS S3, Lambda, EC2, Matlab

**Selected Coursework:** Algorithms, Discrete Math, Object-Oriented Programming, Full-Stack Development, Android Development, Linear Algebra, Linear Models and Statistics

## PROJECTS

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### **Personal Activity Tracker Android App**

- Uses the Google Maps API to record the user's daily activity, which is used to calculate and present statistics including distance traveled, steps taken, and hourly movement. Java, Android Studio, Git.
- Time Machine feature allows the user to see a map of all the locations they've visited and the time of their visit.

## LEADERSHIP & ORGANIZATIONS

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### **The Dandelion Project**

*International Educational Consultant*

China

*Sept. 2016 – June 2017*

- Consulted for the English Departments at the Dandelion School (Beijing, China) and Shatu Middle School (Guizhou, China) to improve their English curriculums and oral teaching methods for over 3000 students.

**Street Soul Dance Team Choreographer:** Choreographed 4 urban dance pieces with total of 50 dancers.

**Dartmouth eSports Association President:** Grew club membership from 40 to 120 students.