

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

*Research Assistant*

Lebanon, NH

*Nov 2017 – Present*

- 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 Python program to automate the process of updating and generating over 100 Matlab scripts to query MySQL and SQLite databases

### **Dartmouth Computer Science Department**

*Teaching Assistant*

Hanover, NH

*Jan 2017 – Present*

- Taught weekly review sessions for 8-10 students to review CS fundamentals such as program structure, objects, and recursion in Python
- Graded midterms, finals, and lab assignments, providing feedback on code functionality and style for each problem and assignment
- Led 4 hours of open office hours per week to assist students with understanding concepts from class, planning their lab assignments, and preparing for exams

### **The Dandelion Project**

*International Educational Consultant*

China

*Sept. 2016 – June 2017*

- Led a group of Dartmouth student volunteers on a month-long trip to visit and teach English in China
- Consulted for the English Departments at the Dandelion Middle School (Beijing, China) and Shatu Middle School (Guizhou, China) to improve English curriculum and oral teaching methods for over 3000 students

### **Breakthrough Collaborative**

*Teaching Fellow*

Cincinnati, OH

*June 2014 – Aug. 2015*

- Taught mathematics throughout the 8-week program to four classes of Breakthrough Summer Scholars, a diverse group of highly motivated 6th to 9th grade youth
- Designed and implemented a research-based, 8 week-long curriculum to engage different styles of learning

## 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
- The Time Machine feature allows the user to see a map of all the locations they've visited and the time of their visit
- Written in Java using Android Studio and maintained version control with Git

## PROGRAMMING SKILLS

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

**Technologies:** Git, Android Studio, LaTeX, Excel, Matlab

## LEADERSHIP & ORGANIZATIONS

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Street Soul Dance Team Choreographer

Dartmouth eSports Association President

Dandelion Project Executive