

## 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

### **Breakthrough Collaborative**

*Teaching Fellow*

Cincinnati, OH

*June 2014 – Aug. 2015*

- Taught mathematics to four classes of Breakthrough Summer Scholars, resulting in them attending colleges at a 76% rate (fifteen percent points higher than their low-income peers)
- Researched and designed a 8 week-long curriculum, resulting in an average test score increase of 17%

## 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

## TECHNICAL SKILLS

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

**Technologies:** Bash, Git, React, Android Development, LaTeX, Matlab

**Selected Coursework:** Algorithms, Discrete Math for Computer Science, Object-Oriented Programming, Smartphone Programming, Digital Electronics, Linear Algebra, Linear Models and Statistics

## LEADERSHIP & ORGANIZATIONS

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### **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 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