

# Faraz Heravi

COMPUTER SCIENCE · MATHEMATICS · SOFTWARE ENGINEER

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## Education

### Temple University Honors

College of Science and Technology

Philadelphia, PA

BACHELOR OF SCIENCE IN MATHEMATICS AND COMPUTER SCIENCE

2017 - 2020 (Expected Graduation)

Cumulative GPA: 3.86

Dean's List Fall 2017, Spring 2017, Fall 2018, Spring 2018

## Skills

**Programming Languages:** Python, Java, C, SQL, JavaScript, HTML, CSS

**Libraries & Frameworks** NumPy, Pandas, Scikit-learn, Keras, JQuery, Node.js

**Tools & Practices:** Git, Linux, OS X, Latex, Excel, Jupyter Notebook

**Languages:** Native speaker of **Persian** and **English**

## Coursework

Graduate Database Management (Current)  
Data Structures and Algorithms  
Discrete Mathematics I & II  
Mathematical Statistics

Graduate Data Mining  
Operating Systems  
Multivariable Calculus

Graduate Machine Learning  
Basic Concepts of Math  
Linear Algebra

Software Design  
Probability Theory  
Abstract Algebra

## Projects

### Septa Telegram Bot ([github.com/f4r4z/SEPTA-Telegram-Bot](https://github.com/f4r4z/SEPTA-Telegram-Bot))

PERSONAL

An open Source Telegram Bot written in Node.js using a REST API. The Bot returns up-to-date Septa Regional Rail data based on train numbers provided by the user.

### Pitchfork (<https://github.com/f4r4z/PitchFork>)

CAPITAL ONE DEVEXCHANGE HACKATHON PHILADELPHIA

Worked in a team of five and developed an Amazon Alexa app using Node.js, Alexa's lambda functions, and Capital One's Devexchange API's. The app interacts with user and provides information about restaurants near the user. **Pitchfork was awarded 3rd place in the hackathon.**

## Experience

### Temple CIS Department

Philadelphia, PA

PEER TUTOR

September 2019 - Present

- Communicate with students in order to help them solve their Computer Science related problems
- Improve Computer Science and Mathematical knowledge to be able to explain the concepts and labs conceptually
- Work and communicate with other tutors available to provide the best tutoring experience for students

### Temple Student Success Center

Philadelphia, PA

STEM TUTOR

September 2018 - Present

- Provide classroom support to STEM students with Computer Science and Mathematics courses in one-on-one sessions
- Respect students' decisions on the format of the session in order to create a more comfortable session
- Review the courses daily to refresh knowledge and be able to help students without hesitation
- Access the newest references and forms of learning to utilize and demonstrate

### Temple University

Philadelphia, PA

INDEPENDENT RESEARCHER

January 2020 - April 2020

- Partnered with another researcher to work on an AI video game music generator under Dr. Rosen's supervision
- Obtained data and trained a successful music generation model using machine learning algorithms
- Researched and read many related works and papers in order to start and complete the project efficiently and correctly
- Communicated with co-researcher and Dr. Rosen to complete tasks in a step by step and ordered manner
- Generated video game music, created an open source project for music generation, and published the results as a paper