

# Faraz Heravi

COMPUTER SCIENCE · MATHEMATICS · SOFTWARE ENGINEER

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## Education

### Temple University

College of Science and Technology

Philadelphia, PA

BACHELOR OF SCIENCE IN MATHEMATICS AND COMPUTER SCIENCE

2017 - 2020

Honors: Magna Cum Laude (GPA 3.85)

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

Graduate Data Mining

Graduate Machine Learning

Software Design

Data Structures and Algorithms

Operating Systems

Basic Concepts of Math

Probability Theory

Discrete Mathematics I & II

Multivariable Calculus

Linear Algebra

Abstract Algebra

Mathematical Statistics

Numerical Analysis

## Projects

### Twitter Sentiment Analysis (<https://github.com/f4r4z/Twitter-Sentiment>)

PERSONAL

Collected data and developed a model in Python to categorize the Sentiments of the Tweets from the Twitter account @TheTempleNews. The model used was Naive Bayes classifiers which trained the data and predicted the sentiment of tweets. The model had a 78.69% accuracy.

### 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.

## Experience

### 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 CIS Department

Philadelphia, PA

PEER TUTOR

September 2019 - December 2020

- 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 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