Faraz **Heravi**

Computer Science · Mathematics · Software Engineer

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Education

Temple University Honors — *Philadelphia, PA*

College of Science and Technology

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

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 (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 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