Faraz **Heravi**

Computer Science · Mathematics · Software Engineer

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Education

Temple University — *Philadelphia, PA*

College of Science and Technology

Bachelor of Science in Mathematics and Computer Science — *August 2017 - December 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
- Used the Naive Bayes classifiers model which trained the data and predicted the sentiment of tweets with a 78.69% accuracy

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

Personal

- Developed an open Source Telegram Bot 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
- Create individualized lesson plans for STEM students to ensure success with different learning styles
- Review the courses daily to refresh knowledge and be able to lead and guide 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*

- Communicated with students to help them solve their Computer Science related problems
- Improved Computer Science and Mathematical knowledge to be able to explain the concepts and labs conceptually
- Collaborated 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 the recurrent neural networks (LSTM)
- Researched and read many related works and papers 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