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

Experience

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
- Generated video game music, created an open source project for music generation, and published the results as a paper

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 I tutor to refresh my knowledge such that students can rely on me

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 my knowledge everyday to be able to explain the concepts and labs conceptually
- Work with other tutors available to provide the best tutoring to students

Projects

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.

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.**

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 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