

SHAYAAN SAIYED

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EDUCATION

2018 Bachelor of Science: Computer Science (GPA 3.75)

New York University, Tandon School of Engineering | Brooklyn, NY

Awards: Dean's List (2014 – 2016), Myron M. Rosenthal Computer Science Academic Achievement Award (2017), Founders Day Award for Academic Achievement (2018)

SKILLS

Programming Languages:

Python, C++, SQL, Java, HTML/CSS, JavaScript

Other Software:

OpenGL, MySQL, TensorFlow, Jupyter Notebook, NumPy, SciKit Learn, PeopleSoft, SQR, PowerShell

EXPERIENCE

JUNE 2019-PRESENT

IT Application Engineering Intern | Kaiser Permanente | Pasadena, CA

- Supported PeopleSoft HCM application with continued enhancement and development of pages and components
- Developed SQR scripts to access, manipulate, and generate reports on enterprise data from Oracle SQL Database
- Created automated process for migrating and processing over 600,000 CRM attachments using PowerShell
- Conducted fail-over testing for web and app servers to ensure correct configuration and function of F5 load balancer

JUNE 2018-AUGUST 2018

Artificial Intelligence and Machine Learning Instructor | iD Tech Camps | New York, NY

- Developed daily lessons plans and activities for high-school students to teach them the fundamentals of machine learning and artificial intelligence in ways they could understand and to keep them actively engaged
- Worked with students one-on-one to help them develop various machine learning and AI projects
- Topics included Python programming, linear regression, convolutional neural networks, and reinforcement learning

JULY 2017-AUGUST 2017

Python Instructor | Stratford Middle School | Sunnyvale, CA

- Taught a class of 24 students with varying levels of experience basic to intermediate programming concepts in Python
- Planned activities for students that both engaged them and also taught them fundamental programming concepts

PROJECTS

Predicting the happiness of a song | Machine Learning Final Project | December 2017

- Used data from Spotify API to train a linear regression model to predict the happiness of songs based on other features
- Used K-fold cross validation to determine which features of a song are best at predicting the valence
- Built using **Python**, **Jupyter Notebook**, **NumPy** and **SKLearn**

Grammy Run | Game Programming Final Project | May 2017

- Developed a 2D side-scrolling game where the player plays as Lady Gaga to collect Grammys and avoid enemies
- Implemented a 2D physics engine from scratch, which included player movement, world physics, and collisions
- Built using **OpenGL** and **C++** for mechanics and graphics rendering and a tile-map editor to create the levels

Find Folks | Database Final Project | December 2016

- Website that allows users to search for and join groups, sign up for events, and add other users as friends
- Built in a team of three using **SQL**, **Python** and **Flask** for the backend and **HTML/CSS** for the frontend
- My contribution was to add functionality to create events, search for events, and create groups

SpaceBABY | HackHarvard Project | October 2016

- A completely web-based scale-model of the solar system that the user can explore freely
- My contribution was coding the movement of the planets based on Kepler's Law
- Built using Babylon.js, a **JavaScript** WebGL API