Poria Ebrahimi

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OBJECTIVE:
Undergraduate Computer Science student, proficient in Python, Java, and JavaScript, seeking to utilize my experience, technical expertise, and problem-solving skills at a professional position as a Software Developer.

EDUCATION:
Bachelor of Science in Computer Science. GPA: 3.5/4.0   Expected Spring 2020
The University of Texas at Dallas
Dean's List: Fall 2016

TECHNICAL AND LANGUAGE SKILLS:
Programming languages: Python, Java, JavaScript, NodeJS, C, C++, C#, SQL, NoSQL, Git
Operating Systems: Windows, Linux
Tools: Unity Engine, MongoDB, SQLite, GitHub
Course Work: Operating Systems, Advanced Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Database Systems, Game Development, Natural Language Processing, Machine Learning, Data and Application Security

WORK EXPERIENCE:
Charles Schwab - **Internship**   Summer 2019
- Created an Alexa skill using **NodeJS, Amazon Skill Kit (ASK)**, and **Amazon Web Services (AWS)**
- Accessed the users coordinates and used an API call to access nearby companies in an area
- Used an API call to access a NoSQL database of company information
- Vocally displayed the relevant information regarding each company to the user

ACADEMIC PROJECTS:
Natural Language Processing - **Python**   Fall 2019
- Used the **NLTK** library to preprocess thousands of words in 3 different language text files
- Created a unigram and bigram list of the given text files to use for statistical analysis
- Compared the bigrams to thousands of lines in a test file to determine the language of the text

Machine Learning - **Python**   Fall 2019
- Implemented the K-Means, Hierarchical, and DBSCAN clustering algorithms on a set of data
- Used the **NumPy** library to import and process data in a CSV file and **Scikit-Learn** to cluster the data
- Visualized the set of data in 2D and 3D graphs using the **Matplotlib** library
- Compared the results to a test file to determine the accuracy of the cluster

Java Programming Project   Spring 2018
- Implemented an online store with customer and manager permissions
- Customers could add, remove, increase items in their carts
- Managers could add, remove, and change items in the catalogue
- Used object-oriented programming concepts to make the program readable and efficient