SHIVA OMRANI

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EDUCATION

George Washington University, Washington, DC   **May 2020**

Bachelor of Science in Computer Science, GPA 3.84

TECHNICAL SKILLS

- Programming languages: Java, Python, PHP, C, C++, MATLAB, HTML
- Databases: SQL Server, MySQL, DynamoDB
- Operating System: LINUX, Windows XP, 7 and 8, UNIX, RHEL, Mac OS platform
- Version Control: GitHub, SVN

EXPERIENCE

Software Engineer Intern, Amobee, Reston, VA   **2019**

- Developed, integrated and deployed new services including spring-based applications and AWS service applications.
- Wrote comprehensive tests using Mockito and Junit.

Undergraduate Research Assistant, The George Washington University, Washington, DC   **2018**

- Worked toward increasing election integrity and mitigating the risk associated with computerized voting system by developing independent election audits to verify the announced election results.

- Implemented the code of a new audit that outperforms former audits in terms of accuracy and efficiency.

Learning Assistant, The George Washington University, Washington, DC   **2018-2019**

- Assisted students in Discrete Structures II and Intro to Programming with Python with in-class and in-lab activities and during office hours.

Software Engineer Intern, Comcast Research Lab, Washington, DC   **2017**

- Programmed and tested the overall codes to satisfy the boundaries and corners of new natural language processing developed by Comcast.
- Integrated and debugged the other modules developed by team members to fit into the design.
- Worked and consulted with senior engineers in optimization of the program in efficiency, security methods, and modularity.

PROJECTS

- Virtual and augmented reality apps using Amazon Sumerian and Unity   **2020**

- A post-processing framework for identifying and alleviating bias in risk assessment algorithms   **2020**

- Framework for finding the average topological shape of 3D meshes   **2019-2020**

- Propaganda tweet analysis using unsupervised machine learning techniques   **2019**

AWARDS/HONORS

Steve and Shelley Heller Award   **2018**

- Awarded to female student with the highest GPA who demonstrates scholarship and leadership.