Forward-thinking Software Engineer eager to contribute to team success through hard work, attention to detail, and excellent organizational skills. Fluent in C++, C, C#, and Python programming languages used to develop software. Focused team contributor aiming to achieve project objectives with speed and accuracy. Motivated to learn, grow, and excel in the software development industry.

Work History

2020-08 - 2021-09

Associate Software Engineer Intern- *Cvent, McLean, VA*
- Developed / tested ongoing product features / fixes.
- Updated tests from existing implementation to an updated implementation (JSON to Karate)
- Wrote and optimized test cases in a new language inherited by the company (Karate) to maximize success and processing time of manual software testing with consistent, thorough approaches.
- Participated in an Agile Development Lifestyle, attending Scrum/Standup Meetings every work day to reflect and express progress/concerns.
- Utilized POSTMAN APIs to track test cases for my assigned services.

2018-02 - 2020-08

Computer Science Tutor/Office Assistant- *BOWIE STATE UNIVERSITY, Bowie, MD*
- Actively managed maintenance on the building (facilities such as bathrooms, hallways, closets).
- Created, edited, and delivered documents between different departments on campus.
- Assisted students with any need, such as lost & found, class scheduling inquiries, and general questions.
- Tutored 1st, 2nd, and 3rd year Computer Science students on various topics such as Data Structures, Systems Programming, Computer Architecture, Discrete Structures.

2020-07 - 2021-05

Virtual Reality Laboratory Developer – *BOWIE STATE UNIVERSITY, Bowie, MD*
Created a 3D Virtual Reality Interface Module aimed to assist users in learning Machine Learning concepts.
Implemented three modes into the VRI Module.
- **Tutorial mode**: to teach the concepts to the audience.
- **Interaction mode**: to interact with the developed environment to learn a concept. Or play an interactive game in VR to learn the concept.
- **Feedback Mode**: Survey questions, questions/answers, etc. mode to conclude if the audience has learnt the concept.

Education

2017-08 - 2021-05

Bachelor of Science: Computer Science

Bowie State University - Bowie, MD
- Coursework in Data Structures, Database Management, Software Engineering, Systems Programming I & II, Machine Learning, Linear Algebra, Calculus I & II
- Graduated with 3.0 GPA
- Received BSU Endowed Scholarship

Projects

Gym Management Portal Mobile Application - (Workout Buddy)
- Built a responsive mobile application using Android Studio and MySQL that allows users to schedule personal training sessions and track their gym visitation and membership status.
- Utilized Firebase as a database management tool for the application.

Virtual Reality Machine Learning Teaching Model - (Minerva Project)
- Built an interactive 3D game using Unity3D aimed at high school and undergraduate college students that serves as a learning platform for machine learning concepts such as neural networks, backwards propagation, and forward propagation.
- Utilized Unity3D, and Blender for the processing and visualization of 3D models within the game.
- Implemented C# for scripting of 3D assets and functionalities of the game interface/controller.

Amazon Web Application: Tech-O-Verse - (Small Connections/Minority Owned Business Search Engine)
- Led a team of 4 senior computer science majors to complete a web application for an internal Amazon developer team.
- Created a web application that serves as a resource for finding and connecting with minority-owned businesses.
- Utilized various Amazon Web Services tools such as Amazon API Gateway, Amazon DynamoDB, AWS Amplify, AWS Lambda, and AWS Admin UI to build the application.

Justin Taylor
Associate Software Engineer

Contact Information

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Programming Skills

- **C++, C#, and C programming**
- **Python**
- **Java**
- **HTML**
- **CSS**
- **Javascript**
- **Machine Learning**
- **Experience with SDLC and Agile/Scrum**

Software Application Tools

- **Operating systems (Windows and MacOS)**
- **Computer Programming IDEs (Microsoft Visual Studio Code, Android Studio, IntelliJ IDEA, Notepad++, Sublime Text, sEclipse)**
- **Amazon Web Services Tools (Amazon DynamoDB, AWS Amplify, AWS Admin UI, Amazon Gateway API)**
- **Git/ GitHub Terminal & Version Control**
- **Automation/Integration Tools (Jira, Jenkins)**

References

Dr. Rosemary Shumba -
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