

Juwon Park

Centreville, VA

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Summary

Passionate about software developing utilizing .NET, C#, SQL, and Python in agile environment. Focused on delivering clean and error-free code for scalable project. Seeking to contribute my expertise to the team focused on driving innovation and achieving strategic objectives.

Skills

Certification & Tool AZ-900 (MS Azure Certification), Git, Visual Studio, Visual Studio Code, SQL Server Management Studio (SSMS)
Programming C#, SQL, Python (Pandas, PyTorch, NumPy, Scikit-learn. etc.)

Work Experience

DCI Consulting

Washington, D.C.

Software Developer Full-time

Jan 2023 - Apr 2024

- Developed Pay Equity Dashboard web application using .NET, C#, SQL Server Management Studio, Visual Studio.
- Developed report comparison features by gathering requirements and leveraging Telerik charts and RESTful API integration.
- Implemented Census job codes and job titles match automation program utilizing Azure OpenAI's large language models, alongside Python.
- Modified and fixed published desktop and web applications whenever users report new requirements or bugs.
- **Technical Skills:** .NET, C#, SQL Server Management Studio, RESTful API, Azure OpenAI, Python

Software Developer Intern

Jan 2022 - Dec 2022

- Collaborated with cross-functional teams to identify and analyze software defects and anomalies.
- Developed and improved dashboard web application for consultants' better work experiences and performances
- Tested new features and codes by going through the application's logic check lists.
- **Technical Skills:** .NET, C#, SQL Server Management Studio

Virginia Military Institute Research Laboratories

Lexington, VA

Graduate Research Assistant

Nov 2021 - Dec 2022

- Designed and developed virtual reality (VR) application for education in programming technologies and security using Unity.
- Implemented IoT devices into Raspberry Pi and make it able to communicate with VR application utilizing Python and MQTT.
- Investigated on research papers that discuss the usage of the VR platform.
- Mentored VMI Cadets in developing cyber security education application.
- **Technical Skills:** C#, Unity 3D, Python, Message Queuing Telemetry Transport (MQTT)

Virginia Tech

Blacksburg, VA

Graduate Teaching Assistant

Jan 2021 - May 2021

- Scheduled office hours regularly for undergraduate coursework-help by using a variety of instructional assessment strategies.
- Performed teaching or teaching-related duties, such as grading essay and discussion sections on examinations or papers.

Education

Virginia Polytechnic Institute and State University (Virginia Tech)

Blacksburg, VA

Master of Science (M.S.) in Computer Science

Jan 2021 - Dec 2022

- **Area:** Human Computer Interaction (HCI), Internet of Things (IoT), Virtual and Mixed Reality Environments (VR/AR/XR)
- **Thesis:** Framework for Embodied Telepresence - A Meeting Case Study

Bachelor of Science (B.S.) in Computer Science

Aug 2016 - Dec 2020

- **Minor:** Statistics
- Dean's List Student

Projects

Network Intrusion Detection by Deep Learning

Blacksburg, VA

Virginia Tech

Jan 2022 - May 2022

- Applied Deep Neural Network(DNN) to develop the network intrusion detection system.
- Trained and tested the DNN model with NSL-KDD data set.

Publications

- Chandrashekar, N., Manuel, M., **Park, J.**, Alicia, G., Shawn, S. & Gračanin, D. An Extended Reality Simulator for Advanced TraumaLife Support Training. Springer, 2022.
- Gračanin, D., **Park, J.**, Eltoweissy, M. (2022). XR-CEIL: Extended Reality for Cybersecurity Experiential and Immersive Learning. In: Stephanidis, C., Antona, M., Ntoa, S. (eds) HCI International 2022 Posters. HCII 2022. Communications in Computer and Information Science, vol 1583. Springer, Cham.