Rahil Mehta

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Skills

- Programming Languages: C#, Java, C++, Python, SQL, React
- Tools and Frameworks/Packages: AWS RDS, Git, Jira, Unity, Docker, Kubernetes, PyTorch

Education

University of Washington, Bothell September 2019 - March 2022
Master of Science, Computer Science and Software Engineering

University of Washington, Bothell September 2015 - June 2018
Bachelor of Science, Computer Science and Software Engineering
GPA: 3.80; Dean's List for 7 quarters

Relevant Coursework: • Data Structures and Algorithms I • Data Structures and Algorithms II • Software Engineering • Hardware and Computer Organization • Operating Systems • Database Systems • Computer Networking • Cybersecurity

Experience

Microsoft June 2020 – September 2020
Software Engineer Intern

- Worked on a React dashboard for Open Service Mesh that makes it easier for users to manage a service mesh
- Implemented feature to generate YAML files for Kubernetes from user input according to the Service Mesh Interface, display an embedded code editor, and allow users to download the files
- Set up continuous integration using GitHub Actions

Digital Future Lab June 2017 – December 2017
Software Developer Intern

- Implemented new features for an upcoming 3D tower defense-style video game in Unity, using C#
- Upgraded user interface, worked on backend algorithms for user movement, graphics, and hint popups
- Performed bug fixes and logged issues with Jira for issue tracking
- Maintained and refactored existing code

Projects

CT Metal Artifact Reduction
Technologies Used: Python, PyTorch, Matlab, Jupyter, CUDA

- Master's Capstone Project for metal artifact reduction in medical CT images
- Wrote several Python scripts for data pre-processing and visualization
- Modified a generative adversarial network with an attention module and conducted experiments, improved results for one dataset by 10% compared to existing method

Car Dealership Database
Technologies Used: SQL, C#, AWS RDS

- Project where 4 students designed a database schema and developed a vehicle inventory application that stored data in an AWS RDS MySQL database
- Created a C# Windows Forms UI to allow the user to view and manage cars