Johannes (Joe) Sluis

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Education

University of Washington, Seattle **GPA: 3.9/4.0**
Bachelor of Science in Computer Science ***Sep. 2021 - June 2025***

Relevant Coursework: Data Structures & Parallelism, Intro to Algorithms, Operating Systems, Distributed Systems, Systems Programming, Computer Vision, Database Management, Software Design/Implementation

Experience

Microsoft June 2023 – Sept. 2023
Software Engineering Intern *Redmond, WA*

- Improved revenue recognition (ACR) by implementing detection for standalone SQL Server services (SSRS, SSAS, SSIS, PBIRS) in the SQL Arc extension, ensuring proper licensing and billing
- Increased customer transparency by displaying detected SQL Server services on the Azure Portal, enabling clients to track installed services and associated billing

Blue Origin Sep. 2023 – Dec. 2024
Software Engineering Intern *Kent, WA*

- Developed automated tooling to generate analysis reports for simulations to ensure mission objectives are met
- Engineered **over 15 configurations** of the rocket's Monte-Carlo simulations, ensuring efficacy and safety

Microsoft June 2023 – Sept. 2023
Software Engineering Intern *Redmond, WA*

- Migrated Backup/Restore settings into SQL Server instances for Arc-enabled SQL Servers to allow **16,000+ enterprise partners** and over **140,000** SQL Server instances to have configuration settings for backup properties
- Developed and integrated back end and front end solutions for the Azure Portal, using **C#, REST APIs, .NET, React, and TypeScript** to enhance the Backup and Restore tab for SQL Server instances

Human-Centered Robotics Lab June 2022 – Present
Researcher *University of Washington, Seattle*

- Collaborated with Hello Robot researchers to develop and deploy an improved interface for the Stretch Robot, enhancing client independence by reducing task completion time by **over 80%**
- Co-authoring the paper "Inquiries during Programming by Demonstration to Reduce User Burden" to facilitate easier control of the robot for individuals with motor impairments

Cledge Oct. 2022 – June 2023
Software Developer *Seattle, WA*

- Spearheaded the development of key features for our accessible college counseling platform, resulting in a successful demonstration at the 2023 Dempsey competition and securing a **$25,000 grant** for our start-up

Projects

AlgoViz | *React.js, Node.js, Redux, PostgreSQL, AWS, Docker* Nov. 2022 – Jan. 2024

- **Managed a team of 7 students** to develop a website that visualizes different sorting and graph-searching algorithms such as Quick Sort, Dijkstra's search and BFS/DFS.
- Integrated the website into UW's Data Structures and Algorithms course, reaching **250+ students each quarter**

Car Classifier | *React.js, Python, TensorFlow, Firebase* April 2022 – June 2022

- Developed a machine learning model using TensorFlow for classifying cars. The final model, a convolutional neural network with 10 layers, utilized convolutional layers, MaxPooling Layers, and Dense layers.

Technical Skills

Languages: Java, Python, C#, JavaScript/TypeScript, HTML/CSS, Bash, SQL
Frameworks/Libraries: React.js, NodeJS, Next.js, Redux, Express
Developer Tools: Git, ROS, Docker, Firebase, Figma, MongoDB, Azure, SQL Server