Quinn Pfeifer

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Education

University of Washington

Paul G. Allen School of Computer Science and Engineering — September 2023 -
- Dean's List all quarters
- Notable coursework: CSE311, CSE312, CSE331, CSE351, CSE332

Everett Community College

Running Start — September 2021 - June 2023
- 4.0 GPA
- Notable coursework: Calculus I-III, Linear Algebra, Advanced Data Structures and Algorithms in Java

Experience

Personal Robotics Lab at University of Washington

Undergraduate Research Assistant — October 2023 -
- Worked with Ph.D. students and Professors to develop state-of-the-art Imitation Learning algorithms that outperform humans and other baselines
- Published papers to top robotics conferences and journals
- Performed research on real-world platforms and became familiarized with full-stack robotics including perception, control theory, simulated dynamics, and Imitation and Reinforcement learning in a real-world robotic setting

Nintendo of America

Platform Engineering Intern — June 2024 - August 2024
- Developed multiple automations to streamline workflows, saving 300+ hours annually department-wide
- Gave a Capstone Presentation to a board of company executives, including the President, EVP, and Director of IT

Publications

Abhay Deshpande, Liyiming Ke, **Quinn Pfeifer**, Abhishek Gupta, Siddhartha S. Srinivasa, (2024). "Data Efficient Behavior Cloning for Fine Manipulation via Continuity-based Corrective Labels". In: *International Conference on Intelligent Robots and Systems (Oral)*. URL: https://personalrobotics.github.io/CCIL/.

Recreational Robotics

Husky Robotics

Software Developer — October 2023 -
- Developed software for a world-class prototype Mars rover for competition in the University Rover Challenge
- Worked with React applications and Unity-based simulations for Rover control and navigation, both teleoperated and autonomous

Underwater Remotely Operated Vehicles (UWROV)

Lead Software Developer — August 2024 -
Software Developer — October 2023 - August 2024
- Developed software for world-class ROV for participation in the MATE ROV competition
- Developed Photogrammetry and SfM algorithm to create 3D scans of the ocean floor and extrapolate ROV position in 3 dimensions

Awards

Academic
- 2023-2024 - Dean's List all quarters, University of Washington
- 2023 - President's Distinction (4.0 GPA), Everett Community College
- 2023 - Valedictorian, Henry M. Jackson High School
- 2022-2023 - AP Scholar, AP Scholar with Honor

FRC
- 2022-2023 - Autonomous Award sponsored by Ford (x3)
- 2023 - Won 5 competitions, including Indiana Robotics Invitational
- 2022 - Won 4 competitions, 3rd place at the World Championship