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A new graduate in Computer Science who wants to leverage deep technical understanding to make a positive impact on real people.

Education

University of Washington, Seattle

B.S. in Computer Science, 2026

Comprehensive coursework in areas including foundations of computer science, object-oriented programming, operating systems, memory management, networks, data structures, algorithms, and machine learning.

Recognized on the Dean's List every quarter of enrollment.

Selected Projects

“BIRDS Aren't Real” (CSE 493: Deep Learning)

Proposed and evaluated BIRDS, a novel method for synthetic data generation based on model misclassifications. Increased classification test accuracy by 1.12% with no architectural changes.

“Decoding stimuli with scotopic retinal ganglion cell responses” (CSE 438: Computational Neuroscience)

Built and trained a neural network to reconstruct visual stimuli from the firing rate of primate retinal ganglion cells. Achieved an average test Pearson correlation coefficient of 0.87, implying strong predictive power.

Autonomous navigation of a model car (CSE 478: Autonomous Robotics)

Used ROS and Python to implement the fundamentals of autonomous navigation on a model car, including localization, path tracking control, and motion planning. The car demonstrated the ability to plan and follow a complex path to a specific destination while avoiding obstacles.

Work Experience

Software Developer at Direqt (June 2025 - January 2026; interned in summers 2023, 2024)

Professional experience with the full software development lifecycle. Started as an intern working on discrete items and gained mastery of the complex, quickly-evolving Direqt platform. Contributed to database optimization, agentic webchat, AI data search, and evaluation tools.

- Personally implemented all aspects of on-site AI search for one of Direqt's biggest customers. Used Google Cloud Platform to store and synchronize data hosted on multiple websites.
 - Optimized MongoDB database operations to meaningfully improve customer experience. Identified slow operations from production logs, rearchitected queries, and created appropriate indexes.
 - Collaborated with a distributed team through GitHub. Authored and reviewed pull requests; tracked issues; created and resolved items on the project board.
 - Responsible for test coverage for all changes, including Mocha/Chai/Sinon unit and e2e tests.
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Technical Skills

Languages: TypeScript, Python, Rust, C, C++, Go, Java

Frameworks: React, Vue, Angular, Express, Numpy, PyTorch, TensorFlow

Infrastructure: Google Cloud Platform, MongoDB, Docker