

Education

University of Washington, Seattle
B.S./M.S. in Computer Science (Direct Admit) // UW Dean’s List (AU22, WI24, WI25)
• **Related Coursework:** Machine Learning, Deep Learning, Computer Vision, Algorithms, Robotics, Data Structures

September 2022 – June 2026 (B.S.)
September 2026 – June 2027 (M.S.)

GPA: 3.80

Work Experience

Supio [Software Engineering Intern]
• Designed and built end-to-end platform with AWS orchestration layer for large-scale training of intent classifiers with LLM-based data generation methods.

June 2025 – September 2025

Neurophys [Software Developer]
• Designing AI-based technology for smart at-home rehabilitation plans.

Aug. 2024 – Present
Best Idea Prize in Digital Health @ Holloman Health Innovation Challenge 2025

Paul Allen School of Computer Science, UW [Teaching Assistant]
• Lead class groups (~30 students), office hours, and review sessions.

Aug. 2023 – Present
Discrete Math (CSE 311), Probability & Statistics (CSE 312), Machine Learning (CSE 446)

Banyan Computing [Backend Software Developer Intern]
• Built Julia script-saving system and software for managing AWS cloud spending.

June 2022 – Sept. 2022
Sept. 2021 – April 2022

Research Projects

Off-Policy Generative Policy Optimization [UW CSE]
• Evaluated method for improving sample efficiency of online RL by increasing data utilization and allowing for greater policy expressivity.

September 2025 – Present
Abhishek Gupta (PhD, UW CSE); WEIRD Lab, UW

Improving Robustness of Imitation Learning on OOD Data using Offline RL [UW CSE]
• Leveraged methods to broaden the support offline reinforcement learning policy distribution to improve success with low-quality/quantity data coverage.
• Improved task completion across Franka tasks and simulation by ~30%.

June 2024 – Present
Abhishek Gupta (PhD, UW CSE); WEIRD Lab, UW
In review @ ICRA 2026

Large Language Models for Medical History Generation [UW CSE, Stanford, UPenn]
• Improved chief complaint embedding methods for clinical prediction tasks.
• Tested novel methods to improve LLM ability to take a relevant patient history.

Oct. 2023 – Sept. 2024
2024 International Conference of Health Informatics
Poster @ 2024 GenAI4Health Workshop, NeurIPS
2nd @ MD Plus Datathon on value-based care

Improving Robotic Car Navigation Algorithms [UW CSE]
• Designed and built PyTorch-based road-following models using simulated data (70% of data used) and limited real-world data (30%) to improve robustness.

Sept. 2022 – May 2024
Alex Spitzer & Dr. Byron Boots (Overland AI, UW CSE); UW Robot Learning Lab
Presented @ Undergraduate Research Symposium

Augmented Reality for Physical Therapy [UW CSE, Foster, Medicine, BioEngr.]
• Built prototype, designed business plan of immersive AR at-home PT technology.

Sept. 2023 – Feb. 2024
Presented @ Final Round of Holloman Health Innovation Challenge 2024

Repairing Brain-Computer Interfaces (BCI) with Fault-Based Data Acquisition [UW CSE]
• Evaluated novel BCI debugger that relied on focused data acquisition and data labeling using a cursor manipulation neural decoder application.

April 2021 – May 2022
Dr. Rajesh Rao & Dr. Rene Just (PhD, UW CSE)
2021 Engineering in Medicine and Biology & 2022 International Conference on Software Engineering

ML-Based Neural Decoding
• Developed ML-based haptic neural decoders, for object-handling prosthetics.
• Built ML-based system to predict distracted driving from EEG data.

Dec. 2019 – March 2021
Courtne Paschall (UW MD/PhD student)
1st @ WSSEF 2020, 2021; 2nd in Software Systems @ 2021 CRSEF, US Air Force Award, 2020 Student Scholar Symposium (Sigma Xi)

MyScoliCare (Android/iOS app)
• Developed app with a voice assistant for scoliosis patients; has 100+ users.

Nov. 2018 – May 2019
Endorsed by Dr. Manuel Rigo (MD/PhD, Barcelona Scoliosis PT School)
Non-Operative Treatment of Childhood Scoliosis, Columbia University

Publications/Conferences

Medical question-generation for pre-consultation with LLM in-context learning. 2024 GenAI4Health Workshop (NeurIPS).
Multimodal Clinical Prediction with Unified Prompts and Pretrained LLMs. 2024 International Conference on Health Informatics.
Repairing Brain-Computer Interfaces with Fault-based Data Acquisition. 2022 IEEE/ACM 44th International Conference on Software Engineering

Outreach/Volunteer

CS Education Week, UW [Speaker] – Presented my research to high school students.
NeuroTEC, UW [Digital Media Leader] – Managed digital media on neurotech topics.
CobraCoders.org [Co-founder] – Ran outreach platform to inspire students in tech.
Amazon Women in Engineering [Speaker] – Presented 3 tech talks to high-school students.

Dec. 2023
Oct. 2021 – June 2023
July 2019 – September 2023
July 2019, Aug. 2020, Aug. 2021

Skills
Programming Languages: Python, Java, HTML/CSS, Julia, System Verilog, JavaScript, TypeScript, React
Software Libraries/Tools: AWS (S3, EC2, DynamoDB, Scikit-Learn, NumPy, Pandas, PyTorch, Intel Quartus Prime