

Shawn Collinge

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EDUCATION

University of Washington

Seattle, WA

BS in Computer Science and Applied & Computational Math Sciences - (3.96/4.0)

Expected: 03/2025

Awards: Dean's list, Craig and Gretchen Wittenberg Endowed Scholar

Relevant coursework: Machine Learning, Deep Learning, Linear Algebra, Statistics & Probability, Databases, Data Structures & Parallelism, Discrete Math, Algorithms, Software Design (IP)

EXPERIENCE

Machine Learning Teaching Assistant

01/2024 – Present

University of Washington

Seattle, WA

- Elevated student understanding by developing and implementing teaching strategies, which included simplifying complex topics like supervised and unsupervised learning, decision trees, and neural networks, leading to a noticeable improvement in academic performance and course satisfaction
- Successfully led a weekly class of 30 students, fostering a collaborative and interactive learning environment. Implemented a variety of techniques tailored to diverse learning styles, boosting student engagement and comprehension in complex machine learning concepts

Machine Learning Undergrad Researcher

10/2023 – Present

University of Washington

Seattle, WA

- Spearheaded a coding project to investigate bias in Twitter misinformation detection, achieving successful identification of users' political orientations and providing key insights into the impact of political biases on automated and manual misinformation detection processes

Lead Developer

09/2022 – 03/2023

Shoreline Community College Computer Science Club

Shoreline, WA

- Pioneered the development of the Shoreline Computer Science Club's first website, utilizing Node.js and Express, while ensuring full compliance with college standards and requirements, ultimately establishing an online presence and resource hub for club members

Computer Science Tutor

06/2022 – 01/2023

Shoreline Community College

Shoreline, WA

- Significantly improved academic performance and confidence in students of diverse backgrounds by dedicating over 25 hours weekly to personalized tutoring in Calculus, Linear Algebra, Statistics, and Computer Science, employing dynamic teaching strategies to cultivate robust problem-solving skills and effectively communicate concepts

PROJECTS

Hockey Schedule Downloader | *React, Typescript*

06/2023

- Designed and implemented a schedule downloader platform utilizing React and TypeScript, which serves hundreds of hockey teams by automating their game schedule management
- Transformed the game scheduling workflow from a manual process to an integrated platform, enhancing operational efficiency by 100% and enabling users to leverage platform-specific features seamlessly

Portfolio Website | *Node.js, Express, MongoDB, Bootstrap*

01/2023

- Developed a personal portfolio website using Node.js and Express for backend development, and MongoDB for efficient data storage and access, providing a centralized platform to showcase my projects and skills

Moderation Discord Bot | *Python, discord.py*

10/2022

- Engineered a Discord bot to perform moderation tasks, managing user interactions in real time for a computer science server with hundreds of active users, ensuring a productive and respectful community environment

SKILLS

Languages & Frameworks: Java, Python, SQL, JavaScript, Typescript, React, Node.js

Developer Tools/Software: PyTorch, scikit-learn, Pandas, NumPy, Spark, Selenium, Git, Docker, Proxmox, Vim, Linux, Agile