Daniel Domingos

Seattle, Washington | +1 (425)-559-1432 | danieldo@cs.washington.edu

Education

University of Washington, Seattle 09/2024 – 06/2028 (Expected)

B.S. Computer Science, B.S. Economics, B.A. Mathematics – GPA (CSE): 3.75/4.0, Dean's list x3

- Relevant coursework: The Hardware/Software Interface, Software Design and Implementation, Systems Programming, Embedded Systems, System and Software Tools, Foundations of Computing 1 - Discrete Math and Finite Automata, Matrix Algebra, Differential Equations, Multivariable Calculus, Technical and Professional Editing, Introductory Microeconomics, Introductory Macroeconomics
- Planned coursework: Data Structures and Parallelism, Foundations of Computing 2 - Statistics, Advanced Multivariable Calculus, Intermediate Microeconomics *(Autumn 2025)*; Algorithms, Operating Systems, Probability 1, Advanced Linear Algebra *(Winter 2026)*; Machine Learning, Deep Learning for Computer Vision, Probability 2, Intermediate Macroeconomics *(Spring 2026)*
- Clubs: Algorithmic Trading Club, Software Engineering Club

Interlake High School 09/2020 – 06/2024

- IB (International Baccalaureate) Diploma Recipient, GPA 3.9/4.0, ACT 35
- Varsity Tennis Captain, Web Development Club Founder & President

Stanford Online/Coursera, Machine Learning Specialization 06/2022 – 09/2022

- Supervised Machine Learning, Advanced Learning Algorithms, Unsupervised Learning
- Certificates: https://tinyurl.com/3nhezfe2

Work Experience

UW Allen School of Computer Science: CSE 12x Teaching Assistant 01/2025 – 06/2025

- Prepared and taught biweekly quiz sections for 15 students in CSE 122; received 4.8/5 student rating
- Graded assignments and exams for 300 students; hosted weekly office hours for 700+ students

UW Atmospheric Sciences Department: Research Intern 10/2023 – 07/2024

- Developed image classification algorithms for atmospheric phenomena under Professor Cliff Mass
- Implemented k-NN, SVM, and neural network algorithms in Python, and trained with online images

Cartogram: Software Development Intern 07/2023 – 09/2023

- Implemented node classes and methods for API and Android app using Gradle (approx. 1000 LOC in Java)
- Updated internal SDK to support node objects; presented work to CEO and executives

Projects

CampusFriends – React, Node.js, TypeScript, HTML, CSS

- Built a web app that calculates optimal class-to-class and friend meeting routes using Dijkstra's algorithm based on uploaded class schedules. Enabled users to connect with friends and view real-time optimal routes.

Multiuser Web Based File System – C, C++, REST APIs

- Developed a multithreaded file indexing system that counts and ranks word frequencies across files. Enabled simultaneous multiuser access via sockets and REST APIs, with results persisted to disk. Achieved sub-second query times on large (millions of words and hundreds of files) datasets.

Awards and Distinctions

- **Boy Scouts of America: Eagle Scout (2024)** – Troop Leader for 40 members; led transition to in-person meetings
- **Atlas Fellowship: Finalist - $1000 (2023)** – Logic problems and essays on ethics, philosophy, and morality
- **USA Coding Olympiad: Gold Qualifier (2021)** – Solved increasingly challenging timed programming problems under runtime constraints

Skills and Interests

Technical Skills:

- Languages: Java, Python, Assembly (x86), C, C++, JavaScript/TypeScript, PHP, HTML, CSS, SQL
- Frameworks/Environments: React, Node.js, Bootstrap, Swift, IAR Embedded Workbench, Linux, Flask
- Python Machine Learning & Data Science: NumPy, scikit-learn, Matplotlib, TensorFlow, pandas
- Other: Docker, Git, Bash, Shell Scripting, Gradle, GDB, Valgrind, CUDA, REST APIs, Sockets, Tiva and Arduino Microcontrollers, Makefiles, Sockets

Languages: English (native), Spanish (fluent), Portuguese (basic), Chinese (basic)
Interests: Tennis, hiking, camping, reading, chess, traveling