

Anabel Bedlan

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Education

Western Washington University, Bachelor's Degree

Graduation Year (2027)

Computer Science Pre-Major, Computer Science Distinguished Scholar Student, WWU Competitive Programming Club President, Classes: Data Structures and Algorithms, Computer Systems, Formal Languages and Functional Programming, Linear Algebra, Calculus 1 & 2, Probability and Statistical Interface

Tacoma Community College, Associate's Degree

Graduation Year (2024)

GPA 3.80 - Graduated with High Honors, Running Start program participant

Gig Harbor High School, High School Diploma

Graduation Year (2024)

GPA 3.95 – Graduated with Honors, Key Club - Vice President, GHHS STEAM Club – Secretary, Camp Invention Volunteer

Professional Experience

Machine Learning Research Assistant, HutchResearch

(04/2025) – Present

- Researched spectral energy distribution plots using deep learning models in PyTorch, improving model performance by 100%.
- Contributed input to weekly reading groups reviewing dozens of advanced ML/DL research papers.
- Built and evaluated four deep neural networks on astronomical datasets for prediction and analysis.
- Collaborated in regular team & collaborator meetings to share progress and refine methods.

System Developer & Ambassador, Pierce College

(09/2023) - (06/2024)

- Developed planetarium shows using the DigiStar7 system and various programming languages.
- Researched different astronomical topics to create public audience shows for the Science Dome.
- Learned many new programming languages and skills quickly for project deadlines.
- Presented planetarium shows for public shows, children's shows, field trips, and private shows.

NASA Space Grant Project Programmer and Instructor, Pierce College

(06/2023) - (09/2023)

- Designed a curriculum for high school students to design, build, program, and test their own rovers.
- Programmed a system for students to generate Arduino code for their rovers if needed.
- Instructed a class of 10 competitively selected high school students on how to program their Arduino-based rovers with C++.
- Created the foundation for the most successful instance of this project that is still being used presently

Technical Skills

Languages – Python, R, Java, Go, C, C++, C#, HTML/CSS, Racket, JavaScript, Swift, Assembly

Concepts – Machine Learning, AI, App Development, Web Development, Product Management, Documentation

Technical – GitHub, PyTorch, Git, IOS, Data Structures, Data Analysis, Statistics, Linear Algebra, Wandb, AI

Soft Skills – Problem-Solving, Leadership, Organization, Communication Skills, Collaboration Skills, Creative Thinking

Awards & Leadership

WWU Competitive Coding Club President – Organize competitions and prep our D1 and D2 teams to compete in the ICPC.

Technology Student Association (TSA) Chapter Officer – 2nd Place in Tech Problem-Solving, 3rd & 4th Place in Video Game Design, 5th Place in Fashion Design and Technology

National Center for Women & Information Technology (NCWIT) – Member and 2023 Aspirations in Computing Awardee