Nathan Laha

Phone: (206) 617-6148
Email: nlaha@outlook.com
Website: https://nlaha.com
LinkedIn: https://www.linkedin.com/in/nlaha/
GitHub: https://github.com/nlaha

EDUCATION

BS	Washington State University, B.Sc. Computer Science	2021-2025

EXPERIENCE

Systems Engineering Intern - Premera Blue Cross
2023-2023

Working as a full-time intern in systems engineering at Premera Blue Cross. I helped the cloud platform team implement policy and Terraform code across an Azure tenant. Ultimately, this enabled 5 teams across the company better utilize Azure while staying compliant with HIPAA and HITRUST standards.

Teaching Assistant - WSU VCEA
2023-Present

Working as a TA for the Voiland college of engineering, I taught a 3-hour lab section once a week, helping 17 students review content and prepare for their exams. I also held office hours where I provided one-on-one assistance to those that needed it.

Program Assistant - UW Medical Center
2020-Present

Working as a part time software engineer helping to create web apps and data visualizations using Python, R and SQL. During this time, I developed a full-stack web application to display and analyze laboratory test metrics.

Volunteer - UW Medical Center
2019-2020

Working as a volunteer helping with small data science tasks in R and Python. During this time, I learned the R programming language and developed an application to replace a SQL script that was no longer being maintained. By doing this, I unified a codebase that had previously relied on SQL to handle data intake.

Freelance Web Development - Japanese Art Swords
2021-2022

Assisted in migrating an old Drupal site to a new design. I constructed the website using Craft CMS and wrote a Python script to scrape data from the old site and import it.

Freelance Consulting - Teachers for an Informed Public
2019-2020

Assisted in setting up web hosting and built a custom WordPress theme for the organization.

HONORS AND AWARDS

Crimson Code Hackathon 1st Place
2022

Worked with a team of 3 others to develop a full-stack web application in the span of 24 hours. I took on the role of team leader and project manager.

Department Scholar - BHS Digital Filmmaking   2021
Completed all four years of the Ballard High School digital filmmaking program,
winning multiple awards along the way and further honing my leadership skills
through directing projects. I won the department scholar award upon graduation for
my achievements.

PROJECTS & LEADERSHIP

Solstice GE   2022
A custom 3D game engine written entirely in C++. It implements the "entity component
system" design process and supports basic physically based rendering.

Godot MIDI   2022-2023
Wrote a custom MIDI file parser from scratch both in C# and later in C++ as a plugin
for the Godot game engine. This allows developers to incorporate music synchronization
into their games/applications easily.

BHS General Computing Club – Club Leader   2019
Led a computer science and coding club at my high school. We held meetings once
a week and worked on projects as a group.

NOTABLE SKILLS

Skills
- Full-stack web development
- Data science
- Graphics programming
    - HLSL and GLSL
- Agile & Scaled Agile frameworks.
- Azure DevOps

Programming Languages	Technologies
- C - C++ - Java - Python - Rust - R - JavaScript - SQL - Haskell - C# - GDScript - PowerShell - Bash - Terraform - Bicep	- HTML/CSS - Azure - Azure Policy - Flask - Django - Docker - React - SQLite - PostgreSQL - MongoDB - Prisma ORM - Entity ORM - Kubernetes - Linux/Unix - Git