NATHAN LAHA

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EDUCATION

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

Notable Classes:
- Data Structures
- Computer Architecture
- Calculus 1 – 3

WORK EXPERIENCE

UW Medical Center – Program Assistant   2021-Present
Working as a part time software engineer helping to create web
apps and data visualizations using Python, R and SQL.

UW Medical Center – Volunteer   2020-2021
Working as a volunteer helping with small data science tasks in R and Python.

Japanese Art Swords – Freelance Web Development   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.

Teachers for an Informed Public – Freelance Consulting   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.

BHS Digital Filmmaking – Department Scholar   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.

Equinox Dialogue   2022
A cross platform React app for building non-linear storylines and dialogue trees for games.

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

Below are some technologies I know well:
C++, Python, R, JavaScript, Java, SQL, Flask, Django, React, Docker, AWS-CDK and ECS

Other Skills:
- Full-stack Development
- Linux
- Web & Front-end Development
- Databases
- Object Oriented Programming
- Experience with various IDEs
  - Visual Studio, VSCode, IntelliJ, PyCharm
- Server Networking