

VINCENT PHAM

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PROFESSIONAL SUMMARY

Motivated computer science student seeking an internship or full-time position to leverage academic knowledge and practical skills in a dynamic environment, contributing to organizational success and fostering innovation.

EDUCATION

University of Washington, Seattle, WA

Bachelor of Science in Computer Science, Minor in Data Science, Expected Graduation: December 2025

Seattle Central College – Seattle, WA

Associate of Science, Graduated: June 2023

RELEVANT COURSES

- Computer Programming
- System Programming
- Programming Language
- Data Visualization
- Machine Learning
- Foundation of Computing I & II
- Database System Internals
- The Hardware / Software Interface
- Archives, Data and Databases
- Introduction to Algorithms
- Data Structures and Parallelism
- Introduction to Data Management
- Introduction to Artificial Intelligence
- Software Design and Implementation
- Engineering Internship Education

CLASS PROJECTS

Olympic Event Planning Web Application

Developed a comprehensive Olympic Event Planning website using React, TypeScript, and HTML, integrating both front-end and back-end programming.

AI to Play Games

Designed an AI bot in Python capable of playing various games, including Pacman, The Towers of Hanoi, Flappy Bird, and Connect 4.

Protein/ Amino Acid Education

Created an interactive website using D3.js and HTML to educate users on protein synthesis and amino acids, featuring visualizations of each amino acid and a catalog of common protein sources with their amino acid profiles.

EXPERIENCE

Software Development Engineer (SDE) Intern, June 2025 - September 2025

Amazon, Seattle, Washington

- Engineer backend service integrations to efficiently process general-themed content requests, enhancing platform responsiveness and user engagement.
- Design and implement scalable algorithms to support diverse content addition scenarios, ensuring system flexibility and reliability.
- Develop automated test suites to validate feature functionality, improving code quality and reducing regression risks.
- Collaborate cross-functionally with product and engineering teams to integrate new features seamlessly into the existing playlist management system, facilitating smooth deployment and optimal user experience.

Lifeguard, Swim Instructor and Swim Team Assistant Coach, May 2022 – Present

West Seattle YMCA, Seattle, Washington

- Deliver lifeguarding services and taught swim lessons to individuals of all ages, ensuring safety and skill development and assisted in coaching the swim team, focusing on enhancing athletes' skills & team dynamics.

Competitive Swimmer, Seattle Metropolitan Aquatic Club & Other Teams, September 2015 – August 2023

- Competed year-round in multiple swim meets, demonstrated strong competitive skill, discipline & commitment.

Video Game Design, Seattle Skills Center, Seattle, Washington, June 2022 – August 2022

- Acquired skills in digital art, 2D animation, and C# programming while designing video games using Unity at the Academy of Interactive Entertainment campus.

Boeing Manufacturing Fellowship, April 2022 – May 2022

The Boeing Company, Seattle, Washington

- Completed a manufacturing careers exploration program focused on aerospace, acquiring employability skills and industry insights while actively engaging in post-fellowship support and networking opportunities.

Civil Air Patrol Cadet, Seattle Squadron, Washington, October 2019 – November 2020

- Developed professionalism, teamwork, self-motivation through military practice and traditions.