Cory Vo

Paul G. Allen School of Computer Science and Engineering Student
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Education

UNIVERSITY OF WASHINGTON (SEATTLE) **Seattle, WA**
Bachelors of Computer Science *Expected Graduation Date : June 2027*

- **Selected Coursework:** Java Programming, Object-Oriented Programming, Hardware/Software Interface, Data Structures and Parallelism, Technical Interview Prep, Discrete Math, Linear Algebra

Experience

TIP 102 Teaching Assistant - (Incoming) **Seattle, WA**
CodePath Technical Interview Prep Course *Sep 2024 - Present*

- Assisting in a course with 400+ students, covering essential topics including Hash Tables, Big-O, Stacks, Queues, Heaps, Linked Lists, Recursion, Binary Trees, 2D Arrays, Graphs, and Dynamic Programming
- Facilitating breakout room discussions during class sessions, encouraging active participation and collaborative problem-solving among 21+ students
- Conducting office hours to offer personalized support, promoting academic success and student comprehension

Software Engineering Fellowship **Seattle, WA**
Headstarter *July 2024 - Present*

- Led a team of 4+ engineering fellows in the full life-cycle of 5+ projects, from design to deployment, ensuring timely delivery and high-quality outcomes
- Developed a pantry management interface with real-time data synchronization, low-stock notifications, and expiration date alerts using React, Next.js, Material-UI, and Firebase
- Engineered a scalable chatbot using Next.js and OpenAI's API, to efficiently respond to inquiries related to Headstarter

Volunteer Software Developer **Seattle, WA**
Street Grace *June 2024 - Present*

- Enhanced bot service by expanding the data model, enabling dynamic retrieval and display of bot operation details for police departments to view, improving overall tracking

Allen School Scholar **Seattle, WA**
Paul G. Allen School *Aug 2023 - June 2024*

- Implemented responsive design on personal website, optimizing user experience across all devices and enhancing accessibility with audio features and descriptive alternative text
- Utilized JavaScript in AppLab to develop a Food Tracker App with an intuitive UI design, engaged by 20+ users
- Executed hardware computing by creating a Trivia App that enabled input via buttons and switches on a circuit board

Math-Science-Leadership Program (MSL) **Tacoma, WA**
UW Tacoma *July 2022 - Aug 2022*

- Led a team of 4 to create a final project that proposed an engineering-related solution to addressing homelessness
- Selected as 1 of 10 groups out of 38 to present final project to a panel of engineers and Washington State Health Officials

Personal Projects

Huffman Code | Java **LINK**

- Implemented the Huffman coding algorithm for efficient data compression by constructing Huffman trees and counting character frequencies to generate efficient binary codes for each character to optimize file size and encoding speeds

Ciphers | Java **LINK**

- Created a multi-cipher encryption system incorporating Caesar shift, Caesar key, and Substitution ciphers, enabling secure and flexible data encryption and decryption

Technical Skills

Languages: Java, HTML/CSS, JavaScript
Developer Tools: Github, VSCode, Eclipse, Azure DevOps