Andrew Rios

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Education

University of Washington (3.88)   **Seattle, WA**
Bachelor of Science in Computer Science   *Sep 2023 – Dec 2026*
Relevant Courses: Data Structures & Parallelism, Foundations of Computing, Software Design/Implementation

Highline Community College (3.88)   **Des Moines, WA**
Associates of General Studies   *Sep 2021 – June 2023*
Relevant Courses: Obj-Oriented Programming, Linear Algebra, Electricity & Magnetism

Projects

Huffman Code | *Java*   **April 2024 – May 2024**
- Constructed Huffman Tree from character frequencies by employing a priority queue to manage the nodes.
- Generated and saved Huffman codes to output these Huffman codes into a .code file where each character's ASCII value is followed by its Huffman code.
- Implemented compression and decompression algorithms to read from the .code file and translate data back into the original text.

Snoqualmie Reddit Bot | *Python*   **Nov 2023 – Dec 2023**
- Used a Reddit and Weather API to create a bot within a subreddit to post convenient times to purchase a ski ticket from The Summit at Snoqualmie.
- Accesses weather predication a week in advance to ensure the most money is saved

Online Portfolio | *HTML, CSS, JS*   **Oct 2023 – Nov 2023**
- Designed a personal portfolio website through a template using HTML, CSS, and JavaScript to showcase projects and skills.
- Implemented responsive design and interactive elements to enhance user experience.
- Deployed the website using GitHub Pages, learning version control, repository management, and web hosting.

Activities & Involvement

Peer Mentor   **May 2024 – Present**
Brotherhood Initiative   *University of Washington*
- Mentor 3-4 first year male students, providing personalized support, academic resources, and fostering sense of belonging.
- Develop leadership and peer advising skills participating in a yearlong seminar course.
- Organize and participate in monthly community events.

Head Lifeguard   **April 2022 – Present**
Mount Rainier Pool   *Des Moines, WA*
- Conduct Monthly and daily staff and individual trainings.
- Train new hires as lifeguards and swim instructors.

Technical Skills

Languages: Java, Python, JavaScript, CSS, HTML
Developer Tools: GitHub, VS Code, PyCharm
Concepts: Software Design & Implementation, Data Structures & Parallelism, Object-Orientated Programming