Jovany Cardoza-Aguilar

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EDUCATION

University Of Washington, Tacoma   **Mar 2025**

Bachelor of Science, Computer Science and Systems   *Tacoma, WA*

- Placed on the Dean's List (**5x**) | Member of HUSCII Coding Club

Relevant Coursework

- Object Oriented Programming (OOP) | Data Structures & Algorithms| Software Quality Assurance | Computer Architecture

Hochschule Bielefeld   **September, 2022 - February, 2023**

Bachelor of Science, Computer Science and Systems   *Bielefeld, NRW*

WORK EXPERIENCE

Exchvnge | *Software Engineer Intern*   **March 2024 – May 2024**

- Responsible for user authentication and testing.
  - Implemented OAuth authentication to allow users to log in to their social media platforms with NextJS through firebase as the backend database.
  - Implemented unit test of components with Jest for mocking of firebase database and testing functions for proper data retrieval.

University of Nevada, Reno | *Undergraduate Researcher*   **June 2023 – July 2023**

- Researching downstream analysis techniques for trajectory inference of cell lineages based on scRNA-seq data.
  - Analyzed research papers, synthesizing, and communicating it in the form of a presentation **2+** times a week for my research advisor.
  - Collaborated within a three-person team to innovate novel solutions, using the **R** language. Increased accuracy of trajectory by **20%** in certain datasets, compared to previous methods.
  - Presented progress to a group of **20+** people every two weeks, including fellow researchers, and professors to question and judge my work.

SKILLS & AWARDS

- **Skills:** Java, Go, R Language, HTML, CSS, Javascript, Typescript

- **Other:** Git, GitHub, SCRUM, Agile Development, React, Tailwind CSS, NextJS, NodeJS, JEST

- **Awards:** Career and Technical Education Department Award, DECA Area-5 Top-10