

Jose Cervantes

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• jscervantes.github.io

EDUCATION

Oregon State University, College of Engineering

Corvallis, OR

Bachelor of Science in Computer Science

Expected Graduation: Spring 2026

GPA: 3.83

Relevant coursework: Analysis of Algorithms (Fall 2023), Data Structures (Fall 2022)

SKILLS & CERTIFICATIONS

Tools: Test-Driven Development, Continuous Integration, Agile

Technology: NextJS, React, Python, Javascript, HTML, CSS, Assembly

PROJECTS

plant.io - Developer | March 2024

Brooklyn, NY | <https://github.com/jscervantes/plantio>

- Worked in a team of 2 to improve a plant database search experience.
- Needed to develop a user-friendly interface and integrate microservices for enhanced functionality.
- Designed and implemented the interface using Next.js and Tailwind CSS; integrated a random plant generator microservice using ZeroMQ for inter-service communication.
- Successfully created an intuitive search tool, enhancing database accessibility, while the microservice added engaging new features, improving user engagement.
- *Utilized: Next.js, TypeScript, Tailwind CSS, and the Perunual API.*

Daily MLB Standings Microservice | March 2024

Brooklyn, NY | <https://github.com/jscervantes/CS361-Microservice>

- Collaborated with one other developer to automate the retrieval of daily MLB standings.
- Needed to provide an automated and reliable service that fetches standings in JSON format for easy integration into other systems.
- Created a microservice in Python, set up ZeroMQ for inter-service communication, and ensured daily updates.
- Delivered a dependable microservice that outputs JSON-formatted standings.
- *Utilized: Python, ZeroMQ*

Data Validation Program | March 2024

Brooklyn, NY | <https://github.com/jscervantes/Data-Validation-with-Assembly>

- Created a command-line data validation program in Assembly.
- Needed to implement robust data validation using efficient code to handle string inputs in low-level programming.
- Developed macros and string processing functions in Assembly to validate user input and handle data errors.
- Produced a fast and efficient CLI-based program that performed data validation accurately, showcasing deep understanding of low-level programming and optimization techniques.

The Burger App | December 2023

Brooklyn, NY | <https://github.com/jscervantes/theburgerapp>

- A solo project to create a web app for users to manage burger entries with full CRUD functionality.
- Required development of a full-stack application supporting database operations and a user-friendly UI.
- Utilized MongoDB for backend storage, developed frontend with React, managed routing with Node.js and Express.
- Successfully deployed a functional and responsive web app that allowed users to manage burger entries efficiently, with an intuitive interface and robust backend.
- *Utilized: MongoDB, React, HTML, CSS, Nodejs, Express*

AFFILIATIONS & INTERESTS

Member | Linux User Group | Oregon State University

January 2022 – Present

CodePath | TIP 103 Alumni Summer 2024

Interests: Music production, Biking, Guitar (self taught for 12 years)