

C. Daniel Corzo

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Education

University of Oregon

Bachelor of Science, Double Major in Computer Science & Data Science

Eugene, OR

10/2023 - 06/2027

Extracurriculars: Founder and President, *Código Latino Club*; Member, *Oregon Software Consulting Organization*

Coursework: Algorithmic problem solving in Python, Object-oriented Programming, Statistical Applications, Machine Learning Techniques, Discrete Mathematics

Skills

Programming: Python, PHP, SQL, HTML/CSS, JS (Node.js, React.js)

Frameworks: Pandas, Numpy, BeautifulSoup4, Flask, Tkinter

Tools & Technologies: Git, ClickUp (scrum), Nginx, Apache (XAMPP), SQL-DB

Technical Practices: OOP, Web Development, Data Structures & Algorithms, Machine Learning Algorithms

Experience

Junior Backend Engineer

Eugene, OR

Oregon Software Consultants

05/2024 – Present

- Collaborated with a team of 4+ developers to create a web platform for a non-profit organization, showcasing scholarship opportunities for art students and supporting over 100 students in Oregon.
- Designed and implemented API interfaces using **Flask** and object-oriented programming, tailored for seamless integration and ease of use by other team developers.
- Architected efficient backend workflows, planning database schemas and API endpoints to optimize data retrieval and integration.
- Automated data processing pipelines, integrating web scraping scripts with APIs to streamline data ingestion and transformation using the **BeautifulSoup4** framework.

Software Development Intern

Singapore

Fredrik Marine IT Services

06/2024 - 08/2024

- Created automated systems for handling customer orders. Increased order extraction efficiency by 30%.
- Utilized frameworks like, **Tkinter**, **Pandas** & **Numpy** frameworks for data inputting and extraction, threading for main script handling, and IMAP library for email parsing.
- Coordinated with ship directors to deploy hardware and software across multiple locations, streamlining operations through **Git-based source control** and efficient project management.
- Gained practical experience in **PHP** and **SQL**, demonstrating a solid understanding of front-end integration and web-based technologies.

Game Development Intern

Springfield, OR

Bitforest

06/2023 - 08/2023

- Worked on virtual environments, sound, animation, coding logic using blueprints and design.
- Utilized software that included P4V, Unreal Engine 5, and Kanban boards (scrum) for team management.
- Overcame challenges with optimizing game performance by using level streaming and culling techniques.

Projects

Stock & Finance Analysis Webpage

- Developed a **Nginx server-based** data-driven webpage that provides real-time stock analysis and financial insights.
- Backend services managed with **Python**, **PHP** and **SQL** for data storage server operations, and visualized stock trends using dynamic graphical information using **JavaScript**.
- Integrated external APIs to fetch live market data and historical trends for 6500+ company tickers.
- Used Python for data analysis, leveraging **Pandas** for statistical calculations and applied Linear Regression and k-NN algorithms for market predictions.