

David Valarezo

(201) 838-0168 • dev38@cornell.edu • [linkedin.com/in/david-valarezo-304782245](https://www.linkedin.com/in/david-valarezo-304782245) • dvala041.github.io/portfolio

Education

Cornell University, College of Engineering
B.S in Computer Science, Minor in Business
GPA: 3.74

Ithaca, NY
Expected May 2027

Related Courses: Discrete Structures, Object Oriented Programming and Data Structures, Introduction To Backend Web Development, Linear Algebra, Multivariable Calculus

Project Experience

Embody App, Cornell College of Human Ecology

Remote

Full Stack Developer

Aug 2024 - Present

- Collaborate with researchers and a team of 7 to develop an app tailored for individuals with Parkinson's disease to articulate and differentiate bodily sensations associated with their condition using bodily sensation maps (BSMs)
- Developed a feature using Swift that allows users to map emotions by drawing shapes on a human body diagram, associating the polygons with specific body parts, and indicating the intensity of emotions in those regions

Obligo

Remote

Full Stack Web Developer

June 2024 - Aug 2024

- Developed a web app to manage families and obligations, leading to improved accountability within households
- Conducted user interviews to gather feedback and refine features, enhancing effectiveness and user satisfaction
- Enhanced user experience by designing a responsive interface with Next.js, React, and MUI components
- Streamlined data management by creating a RESTful API with Node.js and Express.js, enabling efficient CRUD operations on a MongoDB database, significantly reducing data retrieval time and improving overall performance
- Integrated user authentication using JWT and created global state management for efficient data display

Lagos Food Bank, Cornell Hack4Impact

Ithaca, NY

Full Stack Web Developer

Mar 2024 - May 2024

- Collaborated with 10 peers to develop a website that organizes 19,000 active volunteers for a food bank in Nigeria
- Utilized Node.js and Express.js to create endpoints for seamless interaction with Firebase database
- Developed interactive components in React and TypeScript for efficient sorting and displaying user data
- Received and incorporated feedback to make improvements and maintain code quality according to best practices.

Lost and Found App

Ithaca, NY

Backend Developer

Apr 2024 - May 2024

- Implemented various RESTful endpoints to facilitate communication between the Swift frontend and backend
- Designed the backend using Python and Flask, and implemented the database model using SQLAlchemy
- Deployed the Dockerized backend onto Google Cloud VM instances, enabling online hosting and accessibility

Hackademics

Remote

Lead Backend Developer

Dec 2022 - Feb 2023

- Created a website dedicated to teaching local students humanities and STEM with 2 peers
- Developed the backend in Python with Flask as the framework and sqlite3 to store user information
- Coded features such as login/signup, email verification with JSON web tokens, and password hashing

Leadership Experience

Cornell Bowers CIS ASCEND Program

Ithaca, NY

Intern

Sep 2023 - Present

- Highly selective two-year exploratory program designed to support incoming freshmen into a future career in tech
- Collaborating with a small team to develop a startup that connects professors with students by posting research opportunities, addressing a gap at our university, and receiving guidance from industry mentors to refine the concept and pitch

Skills

- **Languages:** Java, Python, SQL, TypeScript, JavaScript, HTML/CSS,
- **Frameworks/Developer Tools:** React, Node.js, Express.js, Flask, JUnit, Git, Docker, VS Code, IntelliJ