

Alexander A. Chavez

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Education

The College of Wooster
B.A in Computer Science

Expected Graduation: May 2025
Wooster, OH

- ❖ Relevant Courses: *Imperative Problem Solving, Data Structure and Algorithms, Software Engineering Databases, Computer Graphics, Algorithm Analysis, Design Patterns, Computer Networking & Communication, Machine Intelligence*

East Hampton High School

Sept. 2017- June 2021

Activities: Robotics Club, Varsity Soccer

Technical Skills

- ❖ **Programming:** Python, C#/C++/C, Java, HTML/CSS, Javascript, React, MySQL, PostgreSQL, TailwindCSS,, Go,
- ❖ **Tools:** Unity, Flutter, Express, MongoDB, Docker, Firebase, Stripe, Git, Android Studio, Nodejs, JWT

Projects

Yupa | Flutter, Dart, Firebase, Stripe

- ❖ As part of a team of four, we built a mobile app enabling students to offer and request services within a college community. Integrated Firebase for authentication and secure transactions with Stripe API, and designed a user-friendly interface for seamless service exchanges. The app is currently live on the App Store (Yupa - The Student Marketplace).

Blog Site | Python, HTML, CSS, Django, PostgreSQL, Docker

- ❖ Developed a functional Content Management System (CMS) for a blogging platform, enabling users to create, edit, and manage blog posts with role-based access control, draft/publish statuses, and comment moderation for an interactive user experience.

Personal Finance Dashboard | React, Node.js, Express, MongoDB, JWT, Chart.js

- ❖ Built a web application to help users track income and expenses, categorize transactions, and view financial insights through interactive charts and summaries, with secure user authentication and responsive design for an intuitive, personalized experience.

Chemical Inventory Flask Web Application | Python, Flask, MySQL, HTML, CSS, Docker

- ❖ Developed a dynamic web app for managing chemical stockroom data with CRUD operations, and created a RESTful API for efficient data handling between the frontend and backend. Managed MySQL databases for inventory storage and deployed the app using Flask.

My Portfolio Website | Next.js, TailwindCSS, GitHub Pages | <https://alexchavez01.github.io/portfolio/>

- ❖ Built a personal portfolio website using Next.js with server-side rendering and dynamic routing for enhanced performance, and designed a responsive, modern user interface using TailwindCSS for cross-device compatibility. Implemented smooth CSS and third-party animations to boost user engagement, and deployed the site via GitHub Pages with static site generation for fast load times and efficient hosting.

Experience

VIN 74 Wines + Spirits | East Hampton, NY

May 2022- Present

- ❖ Managed inventory and optimized stock levels while handling high-volume transactions and providing personalized customer recommendations, demonstrating attention to detail, efficiency, and strong communication skills.