

EVERETT VILLIGER

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Education

University of Wisconsin - Madison

Bachelor of Science in Computer Science

Graduating May 2028

Madison, Wisconsin

Experience

Veida AI

July 2024 - Present

Co-Founder & Backend Developer

Telluride, Colorado

- Built a web app with 3 engineers to enhance studying for 1K+ users with AI flashcards, notes, MCQs, and review plans.
- Deployed Dockerized Flask backend on Railway and Next.js frontend on Vercel for reliable, scalable performance.
- Fine-tuned OpenAI API requests to generate consistent high-quality study material with LaTeX and JSON format.
- Integrated Stripe API for payment processing with webhooks and Clerk for secure user authentication.

Headstarter

July 2024 – September 2024

Software Engineering Fellow

Remote

- Collaborated with 3 engineers to design and deploy 5 AI-driven projects using CI/CD pipelines and MVC patterns.
- Built an AI Rate My Professor chatbot using Pinecone with web scraping for RAG and professor recommendations.
- Engaged in team hackathons to build an OpenAI resume feedback chatbot and a Selenium web scraper for Canvas LMS.

California Citizens Redistricting Commission

April 2023 – June 2023

CRC Website Remediation Team

Remote

- Accomplished the creation of over 400 ADA-compliant, screen reader-friendly PDFs, as measured by successful compliance with accessibility standards, by utilizing advanced skills in Adobe Acrobat.
- Leveraged knowledge of HTML tags to ensure all documents met stringent accessibility requirements.

Projects

Stock Trading Application | *Python, SciKit-Learn, MongoDB, Flask, Stripe, Jinja2, HTML/CSS,*

June 2024

- Developed an automatic trading bot using SciKit-Learn to predict stock movements with an average 70% accuracy over the 1 day timeframe, utilizing random forest and gradient boosting algorithms.
- Implemented secure login and session management using MongoDB, ensuring safe and reliable user authentication.
- Integrated Stripe for secure payment processing, allowing users to manage their payments efficiently and securely.
- Utilized Jinja2 templating engine to dynamically render web pages, providing users with updates on stock predictions.

The Shelf (MateoHacks) | *Javascript, Flask, SQLite, Python, Redis, Jinja2, HTML/CSS*

March 2024

- Developed a platform that connects attorneys with donors and patrons to provide educational resources to prisoners serving life sentences, demonstrating their readiness for parole.
- Utilized Redis and SQLite for session management and user storage, ensuring secure and efficient handling of sessions and account information.
- Integrated Open Library API for book lookup requests by ISBN, providing attorneys the ability to request over 3 million different books for clients.

Multiplayer Web Racing Game | *Javascript, Node, Express, WebSockets, ThreeJS, CannonJS*

December 2023

- Developed a third-person multiplayer racing game with semi-realistic physics and multiplayer gameplay.
- Integrated WebSockets to enable real-time communication for multiplayer gameplay and online chat, ensuring a smooth and interactive experience for players.
- Utilized ThreeJS and CannonJS for rendering 3D graphics and simulating physics to enhance user experience.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, IntelliJ, NetBeans, Google Colab

Technologies/Frameworks: Git, Express, Flask, Redis, Express, MongoDB, Pandas, Numpy, Jinja2, Scikit-Learn

Leadership / Extracurricular

Boy Scouts of America

Fall 2017 – Fall 2023

Eagle Scout

Piedmont, CA

- Achieved the rank of Eagle Scout at 16 years old (Highest Possible Rank).
- Served in key positions, including Patrol Leader three times, Assistant Senior Patrol Leader, Scribe, and Troop Guide.
- Led group of 30+ scouts on camp-outs - ensured safety, engagement, and successful execution of all camping activities.