

# EVERETT VILLIGER

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## Education

**University of Wisconsin - Madison**

*Bachelor of Science in Computer Science*

**Graduating May 2028**

*Madison, Wisconsin*

## Relevant Coursework

- Data Structures
- Calculus 1-2
- Cryptography
- Advanced Topics

## Experience

**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.
- As a contractor for the CA State Government, leveraged knowledge of HTML tags to ensure all documents met stringent accessibility requirements.

**TelSki**

**June 2022 – August 2023**

*Adventure Activities Operator*

*Telluride, Colorado*

- Ensured visitor satisfaction and safety by assisting with directions and overseeing the safe operation of the bungee jumping operation.
- Achieved effective guest management, as measured by precise ticket scanning and strict ticket compliance.

## 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, 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.