

Gunnar Von Bergen

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Education

Miami University

B.S. in Computer Science, Expected May 2026 | Minor in Japanese | Honors College, Dean's List, President's List | GPA: 3.86

Relevant Courses:

Machine Learning, Object-Oriented Programming, Data Structures, Algorithms, Operating Systems, Ethics in Technology, Web Application Programming, Cybersecurity, Database Design

Skills / Strengths

- **Languages:** C++, Java, Python, JavaScript, PHP, C#, SQL
- **Frameworks & Tools:** React, Node.js, Express.js, PostgreSQL, MySQL, Tailwind CSS, Bootstrap, HTML/CSS, Pandas
- **Development Practices:** Unit testing, integration testing, CI/CD, deployment automation, team collaboration
- **Version Control:** Git, GitHub
- **Operating Systems:** Linux, Windows, macOS
- **Cultural Competence:** Studied abroad in the UK, Japan, and Luxembourg; complemented by extensive personal travel

Projects (Open-Source Contributions)

Quick Quit | Chrome Extension to Protect Online Privacy

quickquit.app | github.com/fsevkli/QuickQuit

- Created a privacy-focused solution to protect victims of domestic abuse, enabling instant exit from sensitive websites while seamlessly replacing browsing history with inconspicuous content for enhanced safety
- Designed and implemented a lightweight, portable JavaScript button script, enabling seamless integration for webmasters with a robust, dynamic configuration menu
- Configured and deployed a secure VPS from the ground up, hosting the QuickQuit website with HTTPS using Node.js and Express.js along with custom deployment scripts to streamline continuous integration and delivery

Stock Tracker

github.com/GVonB/Stock-Tracker

- Developed an application using Polygon.io's RESTful APIs to retrieve current statistics, news, and history of a selected stock
- Implemented responsive design to allow users to search, sort, and favorite stocks on both mobile and desktop devices
- Engineered a scalable SQL database with backend logic to support user-specific stock data through RESTful API endpoints

Stock Price Moving Average Projection

stock-ml.gvonb.dev | github.com/GVonB/stock-moving-average-ml

- Built a dynamic, data-driven web dashboard using Python with Flask/Dash and Plotly to visualize and forecast future trends
- Integrated real-time financial data via yfinance to provide current market information for informed projection
- Engineered and fine-tuned a custom regression-based machine learning model to forecast stock price movements, dynamically adjusting prediction windows for enhanced accuracy

Work Experience

Cashier, E-Commerce Clerk – The Kroger Co. – Oxford, OH

06/2020 – 08/2024

- **Adaptability/Critical Thinking:** Leveraged the Harvester/Ciao applications to ensure timely and accurate order processing
- **Attention to Detail/Work Ethic:** Provided efficient transaction processing exceeding 35 items per minute (IPM)
- **Teamwork/Leadership:** Trained newly hired staff to ensure operational continuity during peak pandemic operations
- **Customer Service/Conflict Resolution:** Recognized by customers and management repeatedly for superior service

Volunteer and Leadership Experience

ESL Tutor, HiNative – Remote

- Providing personalized language support and cultural guidance to learners worldwide, having mentored over 110 individuals

Video Editor and Motion Graphics Designer, Miami Esports – Oxford, OH

01/2023 – Present

- Crafting dynamic visual content to enhance brand identity and engage students, contributing to live Twitch productions, promotional trailers, and social media content

President (Former Treasurer), Community Leadership Team – Oxford, OH

- Planned, executed, and advertised seven successful hall events, resulting in a 40% increase in event attendance
- Secured essential funding and managed a team of hall representatives, delivering events under cost projections
- Gathered and addressed residents' concerns to enhance community engagement and residential satisfaction