

# 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, Postgres, MySQL, Tailwind CSS, Bootstrap, Pandas, Git/GitHub, HTML/CSS
- **Development Practices:** Unit testing, integration testing, CI/CD, deployment automation, team collaboration
- **Operating Systems:** Linux, Windows, macOS
- **AI & Infra Interests:** LLM workflow integration, container orchestration, EC2, automation pipelines, API design
- **Cultural Competence:** Studied abroad in the UK, Japan, and Luxembourg; complemented by extensive personal travel

## Projects (Open-Source Contributions)

### Slope Search

[slope-search.gvonb.dev](https://slope-search.gvonb.dev) | [github.com/GVonB/slope-search](https://github.com/GVonB/slope-search)

- Designed a normalized SQL schema and Express REST API to support dynamic ski area search and filtering across 4500+ areas
- Built a dynamic React frontend with dropdown filters and color indicators to enhance resort and run search UX
- Containerized and deployed the full-stack app via Docker and Railway for fast, one-command development and CI
- Automated data ingestion into MySQL using Python (Pandas, Jupyter) and Bash scripting, cleaning 100,000+ messy entries
- **Technologies used:** React, JavaScript, Node.js, Express.js, MySQL, Docker, Railway, Vite, Python (Pandas, Jupyter)

### Quick Quit | Chrome Extension to Protect Online Privacy

[quickquit.app](https://quickquit.app) | [github.com/fsevkli/QuickQuit](https://github.com/fsevkli/QuickQuit)

- Built a Chrome extension that listens for JS triggers from partner sites to clear sensitive history and insert decoy entries
- Implemented a portable JavaScript button script with a dynamic config menu, enabling one-click integration for site admins
- Deployed a secure AWS EC2 with Node.js backend and custom CI scripts, ensuring HTTPS uptime and modular dev flow
- **Technologies used:** JavaScript, Node.js, Express.js, HTML/CSS, AWS (EC2), Nginx

### Stock Price Moving Average Projection

[stock-ml.gvonb.dev](https://stock-ml.gvonb.dev) | [github.com/GVonB/stock-moving-average-ml](https://github.com/GVonB/stock-moving-average-ml)

- Built an interactive Flask/Dash dashboard to visualize and forecast stock trends using regression-based machine learning
- Integrated real-time financial data via yfinance to provide current market information for informed projection
- Designed flexible UI components with Plotly to allow user-driven analysis of price movement and volatility
- **Technologies used:** Python, Flask, Dash, Plotly, yfinance, scikit-learn

## 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

**President & Treasurer**, Community Leadership Team – Oxford, OH

- Planned, promoted, and led 7 student events, increasing turnout by 40% and improving dorm engagement
- Managed funding logistics and coordinated with 10+ residents and staff to execute events under budget

**Video Editor & Motion Graphic Designer**, Miami Esports Club – Oxford, OH

- Produced livestream content, promo trailers, and professional graphics to boost student engagement and club visibility

**ESL Contributor**, HiNative – Remote

- Provided English language and cultural support to 100+ users worldwide through clear, contextual answers on Q&A posts