

Gunnar Von Bergen

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Education

Miami University – Oxford, OH

May 2026 (Expected)

B.S. in Computer Science, Minor in Japanese, Honors College, Dean's List, President's List, GPA: 3.87

University of Washington – Seattle, WA

Summer 2025

Continued CS education as a non-matriculated student, expanding software engineering expertise while interning in Seattle

Relevant Courses: Machine Learning, Algorithms, Operating Systems, Database Design, Cybersecurity, Web Development

Skills / Strengths

- **Languages:** Java, C++, Python, JavaScript, TypeScript, 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, API design, team collaboration
- **Systems and Cloud:** Linux, Windows, macOS, cloud platforms (AWS), Docker, containerization, networking and deployments
- **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 | github.com/GVonB/slope-search

- Designed a normalized SQL schema and Express RESTful API for searching 4500+ ski areas, handling 4000+ monthly requests
- 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 | github.com/fsevkli/QuickQuit

- Built a Chrome extension to protect user privacy, working with Manchester homelessness groups and presenting to partners
- Implemented a portable JavaScript button with a dynamic configuration menu, enabling one-click site integration
- 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 | 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 for interactive user-driven analysis of price movement and volatility
- **Technologies used:** Python, Flask, Dash, Plotly, yfinance, scikit-learn

Work Experience

Software Development Engineer – Toltec Strings – Seattle, WA

June 2025 – August 2025

- Consulted with the owner on a roadmap for a sheet music platform, advising on features, production, and monetization
- Proposed AWS EC2 and containerized workflows while demonstrating how AI tools can accelerate rapid prototyping
- Began initial MVP design with AI-assisted development techniques to establish a foundation for a production-ready app

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

June 2020 – August 2024

- Processed high volumes of online and in-store orders using proprietary systems, ensuring accuracy and timely fulfillment
- Trained and mentored new employees beyond standard duties, supporting smooth operations in peak pandemic demand
- Earned repeated recognition from customers and management for resolving issues and exceeding service expectations

Volunteer and Leadership Experience

President & Treasurer, Community Leadership Team – Oxford, OH

- Led and budgeted 7 dorm events with 40% higher turnout; collaborated with 10+ residents and staff for smooth execution

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