

Bennett Edmund Zink

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See projects at bennettzink.com

EDUCATION

University of Michigan

Ann Arbor, MI

Bachelor's of Science in Engineering in Computer Science, Minor in Entrepreneurship

August 2021 - May 2025

GPA: 3.37/4.0 | Cum Laude

Relevant Coursework: Web Systems, Database Management Systems, Software Engineering, Operating Systems

WORK EXPERIENCE

IT Computer Consultant

April 2024 - Present

University of Michigan Departmental Computing Organization

- Provided technical support for students and staff in the EECS department by resolving IT related issues including malfunctioning servers, software reconfiguration, hardware troubleshooting in labs and study spaces
- Initiated and developed an internal wiki using **HTML**, **Python**, and **SQL** to document all internal processes, improving team onboarding and reducing knowledge gaps
- Overhauled the department help page by auditing outdated info and rewriting **PHP** scripts for clearer, more accurate communication

Server

June 2019 - August 2022

Boatwerks Waterfront Restaurant

- Supported daily operations by bussing and resetting tables, eventually managing orders and providing customer service as a server
- Strengthened communication skills through direct customer interaction and coordination with kitchen staff

PROJECTS

Risk Radar (risk-radar-frontend.vercel.app)

January 2025 - March 2025

- Developed a full-stack web application using **React**, **Tailwind CSS**, and **Python** to centralize disaster and crime statistics for U.S. counties, aggregating data from OpenFEMA, FBI, and NWS APIs
- Designed an intuitive UI in **Figma** and implemented it with interactive filters and visual charts from the **MUI** library to help users assess location-specific risk factors and compare regions
- Built a real-time alerts page to notify users of crime or weather events, with customizable filters and prominent visual indicators

Grow Stuff (growstuff.org)

April 2024 - Present

- Contributed to the development and maintenance of an **open-source** gardening platform by implementing new features and resolving issues in **Ruby**, **HamL**, and **SCSS**, enhancing user experience and functionality
- Collaborated with a global team of contributors to review code, address feedback, and ensure high-quality contributions, resulting in successful **pull requests** merged into the main branch

Search Engine

March 2024

- Engineered and deployed a scalable search engine on **AWS**, utilizing a segmented inverted index with MapReduce to efficiently process and index a subset of Wikipedia pages.
- Built and deployed an index server with a custom **REST API**, providing search results in **JSON** format, and created a search server with a user interface resembling major search engines for enhanced user experience

SKILLS

- **Languages/Frameworks:** C++, Javascript, Python, HTML, CSS, SQL, React, MongoDB
- **DevOps:** Git, Docker, AWS, Linux, Mac OS
- **Certifications:** Meta Front-End Developer Certificate (Coursera, 2023)