Jake Brinkmann

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Objective

Detail-oriented software developer with a strong academic background in Computer Science and excellent communication skills. Actively seeking full-time opportunities in full-stack web development to apply technical expertise and leadership abilities to innovative projects.

Education

Bachelor of Science   *University of Michigan - Ann Arbor*
Major in Computer Science   *August 2021 – Present*
Cumulative GPA: 3.5/4

Work Experience

Credera   *June 2024 – August 2024*
Full Stack Technology Solutions Intern   *Chicago, Illinois*

- Developed new credit check and payment front-end flows within the DEMI application for client Service Experts.
- Implemented new Critical Flow and Unit tests across the DEMI application's several micro front-ends.
- Demoed key additions and features of the app to key client stakeholders during Sprint Reviews and Daily Standup with the client.

Zettawatt Equivalent Ultrashort Pulse Laser System (ZEUS) NSF Lab   *May 2023 – August 2023*
Full Stack Development Intern   *Ann Arbor, Michigan*

- Developed a real-time shared calendar within the application simplifying experiment scheduling and management.
- Overhauled the authorization API and implemented session-based email verification to enhance app security.
- Developed and contributed over 7,000 lines of production code, ensuring the successful launch of the web portal.

University of Michigan Recreational Sports Department   *August 2022 – Present*
Personal Trainer   *Ann Arbor, Michigan*

- Proactively distill intricate fitness principles into digestible, client-friendly language, fostering an environment of understanding and empowerment
- Manage a diverse client base, tailoring training programs to individual needs and goals
- Design and deliver tailored fitness programs, conduct comprehensive assessments, and diligently monitor progress.

Club Involvement and Projects

Michigan Sport Consulting Group   *Fall 2021 - Present*
New Analyst Program Director | Project Advisor | Client Strategy Manager | Analyst   *Ann Arbor, Michigan*

- Leading a dozen new Analysts through weekly professional development modules and a mock consulting project.
- Spearheaded a transformation of acquisition strategies, unleashing an explosive 50% surge in client acquisitions
- Engineered a Spatial Data Analysis Python package that streamlined labor hours from a daunting 20+ to 2 hours

Spark Electric Motorcycle Project Team   *Winter 2023 - Winter 2024*
Web Development Lead | Software Subteam   *Ann Arbor, Michigan*

- Developed code to interpret and graphically display key performance statistics from the Motorcycle sensors' log files
- Redesigned the team's website to be scalable for future growth.

Technical Background

Technical Skills   TypeScript React, C++/C, Python, JavaScript, HTML, CSS, Swift, SQL, scikit-learn, Pandas

Notable Courses   Web Systems, Database Management Systems, Machine Learning, Data Structures and Algorithms, Intro to Computer Organization, Statistics, Foundations of Computer Science, Calculus II, Introduction to Quantum Information Technology, Tech Ethics & Public Policy, Leadership Development in the Tech Sector