Samuel Breider

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EDUCATION

University of Minnesota *Minneapolis, MN*
Bachelor of Science in Computer Science, **GPA: 3.79** Aug. 2022 - May 2026

EXPERIENCE

Software Engineering Intern Jun. 2025 – Present
DraftKings *Boston, MA*
- Designing API endpoints in **C#** to power DraftKings Pick6, each servicing over **2 million** daily requests.
- Integrating **Apache Kafka** and **Kubernetes** to build scalable event-driven pipelines, reducing latency for over **4 million** users.
- Leveraging **Docker** and **Jenkins**-based **CI/CD pipelines** to automate build, test, and deployment processes.

Teaching Assistant Jan. 2025 – May 2025
University of Minnesota *Minneapolis, MN*
- Led labs and office hours to assist **180+** students in learning the principles of computer science in **C++**.
- Enhanced my own programming and communication skills by resolving students' bugs and roadblocks.

Software Development Intern May 2024 – Aug. 2024
WEC Energy Group *Milwaukee, WI*
- Engineered a database management tool handling CRUD operations on internal logs, archives and metadata.
- Utilized **VB.NET** and **Microsoft SQL Server** to deliver solutions that improved the operational efficiency of **7,000+** employees.
- Refactored and streamlined over 30 legacy **SQL** procedures, reducing processing times by up to **40%**.

PROJECTS

Gopher Guessr | *JavaScript, Next.js, PostgreSQL*
- Led development on a campus-wide location guessing game, played **15,000+** times by UMN students.
- Engineered event-driven systems by integrating **WebSocket** protocols, reducing response times by up to **90%**.
- Designed a user authentication system for **2,000+** unique users, storing stats, game history, and user information in a **PostgreSQL** database.

Pro Football Reference API | *Go, Postman, Docker*
- Built an external API servicing GET requests to **10,000+** Pro Football Reference data tables.
- Documented, tested and managed API using **Postman**.
- Containerized project using **Docker**, automating build and deployment tasks with **Powershell** and **Bash** scripting.

TECHNICAL SKILLS

Languages: C#, Go, Java, SQL, TypeScript, JavaScript, C++, C, VB.NET, Bash, Powershell, Python
Cloud & DevOps: Docker, Kubernetes, AWS EC2, AWS Lambda, DataDog, Git, GitHub, Postman, Jenkins
Data & Messaging: Apache Kafka, PostgreSQL, MySQL, SQL Server, REST APIs, WebSockets
Frameworks & Libraries: .NET, React, Next.js, Node.js, Flask, Pandas, Tailwind CSS

OTHER

Social Coding, *Member*: Led a network of programmers in developing *Gopher Major Planner*, *Gopher Guessr* and other software solutions with a positive impact on our community.

UMN Centennial Scholars, *Scholarship Recipient*: Admitted into merit-based scholarship program focused on innovation, achievement, and diversity in academic and professional spaces.