

# Samuel Breider

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## EDUCATION

### University of Minnesota

Bachelor of Science in Computer Science, **GPA: 3.79**

Minneapolis, MN

Aug. 2022 - May 2026

## EXPERIENCE

### Software Engineering Intern

Jun. 2025 – Present

*DraftKings*

*Boston, MA*

- Designed REST API endpoints to power user navigation across Pick6, each receiving 2 million requests a day.
- Used **C#**, **ASP.NET**, and **Apache Kafka** to build efficient backend systems that enable real-time data communication across services.
- Leveraged **Docker**, **Kubernetes** and **Jenkins**-based CI/CD pipelines to automate build, deployment, and scaling workflows.

### Teaching Assistant

Jan. 2025 – May 2025

*University of Minnesota*

*Minneapolis, MN*

- Taught **C++** and OOP fundamentals to almost 200 students, leading daily labs and office hours.
- Enhanced my programming and collaboration skills by resolving students' bugs and roadblocks.

### Software Development Intern

May 2024 – Aug. 2024

*WEC Energy Group*

*Milwaukee, WI*

- Engineered a database management API that handles CRUD operations on internal logs, archives and metadata.
- Utilized **VB.NET** and **Microsoft SQL Server** to deliver solutions that improved operational efficiency across multiple teams.
- 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 real time event handlers 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 a web-scraping API servicing GET requests to **10,000+** Pro Football Reference data tables.
- Documented, tested and managed API using **Postman**.
- Containerized project with **Docker** and automated **AWS EC2** deployment through **Bash** scripting.

## TECHNICAL SKILLS

**Languages:** C#, Go, Java, SQL, TypeScript, JavaScript, C++, C, VB.NET, Python

**Cloud & DevOps:** Docker, Kubernetes, AWS EC2, AWS Lambda, DataDog, Git, GitHub, Postman, Jenkins

**Data & Messaging:** Apache Kafka, PostgreSQL, MySQL, WebSockets, RabbitMQ

**Frameworks & Libraries:** ASP.NET, React, Next.js, Node.js, Flask, Pandas, Tailwind CSS

## INVOLVEMENT

**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.