Samuel **Weninger**

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Experience

Brix Inc. Remote, USA
Founding Engineer Oct 2024 - Present
- Founder, leading development of AI-powered solutions & scalable data systems. (**Full-Stack, LLM**)
- Collaborated with clients to design & implement scalable solutions, including real-time data pipelines, OCR tools, & AI-powered decision-making systems. (**AI, Backend, Cloud Infrastructure**)

Microsoft Redmond, WA
Software Engineer Sept 2022 - Aug 2024
- Led backend architecture for **Bing Amenities**, improving feature coverage by **55%** & reducing user-reported bugs by **80%** for **+15M** businesses globally using AI/LLM-driven enhancements. (**C#, Python**)
- Engineered automated data pipelines (**ADF**), onboarding **+500** new domain providers, enriching data for **+2.7B** businesses. Developed real-time monitoring dashboards, reducing downtime & improving system reliability for **Bing**. (**SQL, HTML**)

Huawei Technologies Canada Markham, ON (Remote)
Software Engineer Intern May 2020 - Aug 2021
- Collaborated with a team of architects & engineers to develop infrastructure for a distributed database leveraged in 5G networks (**C/C++**).
- Optimized storage processing logic & improved transactional procedures in a distributed database system (**C++, SQL**).

Skills

Software	Python · JavaScript · C# · C++ · SQL · TypeScript · HTML · CSS
Frameworks	React.js · Node.js · Next.js · Flask · FastAPI · .NET
Technical	Linux · Bash · Git · AWS · Docker · LLMs · Tailwind · PostgreSQL · MongoDB

Projects

Professional Portfolio Websites USA
AI-Enhanced Web Development 2022 - Present
- Develop modern portfolio websites using **TypeScript**, **Tailwind**, **Next.js** with AI-enhanced content, **Netlify** deployment
- **artkitncreative.com** ↗ - Digital art portfolio showcasing creative works online
- **lucyweninger.com** ↗ - Professional athlete portfolio for international recruitment
- **myungkim.netlify.app** ↗ - Personal portfolio of projects & skills tailored for hiring managers

Pebbles ↗ Toronto, ON
University Design Team Recommendation App Jun 2021 - Sept 2022
- Created recommendations application to cluster students & professors into engineering design teams based on internal & external signals/interests
- Full stack application with database (**AWS DynamoDB**), backend API (**Python** + **AWS**) & frontend application (**TypeScript**)

Course Finder Toronto, ON
Course Planning Web App Sept 2021 - May 2022
- Created full stack application designed for course registration at University of Toronto, with user data & authentication
- Integrated database (**PostgreSQL**), backend API (**Python Flask** + **SQLAlchemy** ORMs) & frontend application (**React.js**)

Education

University of Toronto Toronto, ON
B.S. (Honours) in Computer Engineering Sept 2017 - May 2022
- 3.72 GPA