Samuel **Weninger**

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Experience

Microsoft   Redmond, WA
Software Engineer   *Sept 2022 - Aug 2024*

- Implemented language backfill logic and enhanced language extraction for **+2 Billion** Urls indexed by Bing, exposing rich content for **+100 million** businesses in **+150** different markets on Bing. (**C#**)
- Improved the coverage of Bing Amenities for **+6 Million** new businesses (**+55%** feature coverage improvement). Enhanced Bing Amenities quality by **+30%** leveraging **LLMs**, benefiting **+14M** businesses and reducing frequency of user-reported Bugs by **+80%**. (**C#, Python**)
- Engineered automated pipeline (**ADF**) for discovering new domains for Bing; onboarded **+500** new providers, enriching data for **+2.7B** businesses. Managed vendor team to develop models for **HTML** content extraction from new domains, integrating content into Bing. (**SQL**)
- Developed real-time monitoring dashboard for Bing rich data with routed alerts for quick, **on-call** response to data outages & bugs. (**HTML**)

Huawei Technologies Canada   Markham, ON (Remote)
Software Engineer Intern   *May 2020 - Aug 2021*

- Collaborated with a team of architects & engineers to develop (**C/C++**) the infrastructure for a distributed database leveraged in **5G networks**.
- 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
- **lucyweninger.com** 🔗 - Professional athlete recruiting portfolio
- **myungkim.netlify.app** 🔗 - Personal portfolio of projects and skills

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 & selection at University of Toronto, with user profile & 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