SAMUEL WENINGER

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Experience

- **Software Engineer (WebXT/Bing)** — Redmond, WA
  Microsoft — *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**)

- **Software Engineer Intern** — Markham, ON (Remote)
  Huawei Technologies Canada — *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 · C# · C++/C · SQL · JavaScript · HTML · CSS
Frameworks: .NET · Node.js · React.js · React Native · PyTorch · TensorFlow · Flask
Technical: Linux · Git · Bash · GDB · Docker · AWS · ADF

Projects

- **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

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