

Joshua Hamilton

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Skills

- **Languages/Frameworks:** Python, Javascript, Typescript, Java, Rust, SQL, React, Angular, Svelte, PyTorch
- **Tools:** Git, Github, PostgreSQL, NoSQL, Docker, Figma, Firebase
- **Concepts:** Full Stack, AI, NLP, Data Engineering, Cloud, ETL, CI/CD, Agile, Testing, Databases
- **Human Languages:** English (native), French (advanced), Japanese (beginner)

Experience

Software Engineer, Autodesk - [Flow Capture](#) July 2025 – Present

- Full stack developer primarily working on the backend which serves web, mobile, and TV frontends
- Clients include Netflix, Amazon Prime, Disney+ and other major movie productions

Indie Developer Dec 2024 – Present

- Lead maintainer of [Py-FSRS](#) (300+ stars on Github)
- Currently building [vocabtest.me](#)

Startup Founder, [Comprendo Languages](#) Nov 2023 – Sep 2024

- Attempted to start a language learning startup as a solo founder
- Originally set out to build a web app for AI-generated "Graded Readers" but pivoted towards building a language learning browser extension for streaming services like Netflix. See [Comprendo TV](#) (now inactive)

Software Developer / Data Scientist, [Refold Languages](#) Oct 2021 – Aug 2023

- First technical hire (I wore many hats!)
- Led the development of the [Refold Premium Flashcard Decks](#) which became our main revenue source
- Led R&D and developed language skill assessments such as vocabulary and reading tests for clients

Teaching Assistant, University of Manitoba Sep 2018 – April 2020

- Led tutorial sessions for first-year statistics and computer science courses
- Also provided one-on-one tutoring for struggling students at the Statistics Help Centre

Undergraduate Researcher, Database and Data Mining Laboratory @ UofM Summers 2018 and 2019

- Published two papers in the IEEE
 - [Analytics of Similar-Sounding Names from the Web with Phonetic Based Clustering](#)
 - [Identifying the Right Person in Social Networks with Double Metaphone Codes](#)

Certifications

- **Google Cloud Platform**, [Associate Cloud Engineer](#) Valid March 2025 - 2028
- **AWS**, [Cloud Practitioner](#) Valid April 2025 - 2028
- **Azure**, [Azure Fundamentals](#) No expiration

Education

Computer Science - Statistics (joint program), University of Manitoba Sep 2015 – Aug 2020

- Graduated with First class honours and a Minor in Mathematics