

# Joshua Hamilton

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## Skills

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**Software:** Python, Javascript, Firebase, Google Cloud, Git & Github, Sveltekit, Figma, Docker, Pandas

**Concepts:** Full stack web, Browser extensions, Statistics & ML, Natural language processing, UX/UI

## Experience

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**Independent Software developer**, Centre for Resilience Co-Working Space Sep 2023 – Dec 2024

- Attempted to start a startup, but pivoted towards improving my software skills
- **Projects:** [vocabtest.me](#), [Comprendo TV](#) (inactive), [Py-FSRS](#), [jreadability](#), [CIJ analysis](#) + more!

**Data Scientist**, Refold Languages Oct 2021 – Aug 2023

- Second full-time hire (I wore many hats)
- Led the development of the [Refold Premium Flashcard Decks](#) which grew to \$30k in MRR
- Developed language skill assessments for clients such as vocabulary and reading tests
- Automated internal processes with Docker, GCP, Google Analytics, Google sheets, third-party API's

**Teaching Assistant**, University of Manitoba Sep 2018 – April 2020

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

**Undergraduate Researcher**, Database and Data Mining Laboratory 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](#)
- Analyzed the tweets of Canadian party leaders during the 2019 federal election
  - Results presented in: '[How to see in 100 dimensions](#)'
  - Additional slides – *in French* – can be found [here](#)

## Education

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

- Graduated with First class honours
- Math minor

## Languages

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**English:** Native speaker

**French:** Fluent, but rusty

**Japanese:** Beginner (~2k words)