Joshua Hamilton

Github | Canadian citizen | hamiltonjoshuadavid@gmail.com | +1 (204) 898-7607

Skills

Software: Python, Javascript, Google Cloud, Git & Github, React, Docker, SQL, PyTorch, Pandas, Figma
Concepts: Frontend, Backend, Machine learning, Data analysis, Cloud, CI/CD, Agile, Testing, UX/UI

Experience

Software developer, Independent   Sep 2023 – Dec 2024
- Attempted to start a startup - Comprendo TV (inactive)
- Lead maintainer of Py-FSRS (150+ stars on GitHub!)
- Currently building vocabtest.me, 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
- Led R&D and developed language skill assessments 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

University of Manitoba, BS in Computer Science - Statistics (joint program)   Sep 2015 – Aug 2020
- Graduated with First class honours
- Math minor

Languages

English: Native speaker
French: Fluent
Japanese: Beginner