Jafer Haider

✉ itsjafer@gmail.com 📞 (650) 284-9693 in linkedin.com/in/itsjafer 🏠 itsjafer.com ⓞ github.com/itsjafer

EDUCATION

University of Waterloo   Waterloo, ON, Canada
Honours Bachelor of Science in Computer Science   *September 2016 - December 2021*

Wilfrid Laurier University   Waterloo, ON, Canada
Honours Bachelor of Arts in Business Administration   *September 2016 - December 2021*

SKILLS

Languages: Python, Go, C++, JavaScript, Java   **Tools:** AWS, Google Cloud, Docker, React, Flask

EXPERIENCE

Google   Sunnyvale, CA, USA
Software Engineer Intern   *May 2021 - August 2021*

- Designed a containerized diagnostic system in **Go** using vSphere and NSX-t APIs to quickly retrieve information about and debug customer **Cloud VMware Engine** projects
- Leveraged **Cloud Compute API** to streamline remote execution of diagnostic workflows for authenticated users

Amazon   Vancouver, BC, Canada
Software Engineer Intern   *September 2020 - December 2020*

- Led design and development of a dynamic feature flag in **Java, Spring** for AWS Step Functions using **AppConfig** to reduce region launch times **by over 96%** from several weeks down to under an hour
- Updated Amazon States Language compiler to validate ARNs at compile-time for a superior customer experience

Yelp   San Francisco, CA, USA
Software Engineer Intern   *January 2020 - April 2020*

- Extended JupyterLab with **AWS IAM** management in **JavaScript** to reduce user onboarding times **by 3 hours**
- Rewrote and maintained open source JupyterLab extension in **Python, Scala** for monitoring Apache Spark jobs to assist in monitoring and cutting internal Spark costs

University of Waterloo   Waterloo, ON, Canada
Undergraduate Research Assistant   *September 2019 - December 2019*

- Implemented fence operations for x86 hardware in **C-for-all** to allow prevention of compile-time code optimizations

Vida Health   San Francisco, CA, USA
Software Engineer Intern   *May 2019 - August 2019*

- Improved performance of primary prediction pipeline **by 50%** through parallelization and code deduplication
- Increased consumer engagement by designing and building recipe recommendations in **Python** using a hybrid implementation of content-based and collaborative filtering models

Bank of Montreal Capital Markets   Toronto, ON, Canada
Software Developer Intern   *January 2018 - April 2018*

- Developed pub/sub messaging system in **C#, SQL Server** to asynchronously trade bonds in bulk

PROJECTS

Resume Parser ☑ – Web app (**20,000+ unique users**) that displays parsed resume information using the Lever API

SparkMonitor ☑ – JupyterLab extension (**10,000+ installs**) to monitor Apache Spark jobs executed in notebook cells

BetterMultitasking ☑ – ipadOS tweak (**5000+ installs**) enabling native execution of iPhone apps on iPad

BigPiPEnergy ☑ – ipadOS tweak (**4000+ installs**) removing native OS restrictions on Picture-in-Picture size

Schwab API ☑ – Python API (**1500+ installs**) written using Playwright to trade securities on Charles Schwab

Meal Recommendations ☑ – Content-based model that creates user profiles of ingredient matrices to recommend food