Jafer Haider

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EDUCATION

University of Waterloo	Waterloo, ON, Canada
Honours Bachelor of Computer Science, BCS	*September 2016 - December 2021*
Wilfrid Laurier University	Waterloo, ON, Canada
Honours Bachelor of Business Administration, BBA	*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