

Jafer Haider

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SKILLS

Python, Go, C++, JavaScript

EXPERIENCE

Google

Software Engineer

Chicago, IL, USA

January 2022 - Present

- Building reliable, scalable infrastructure in **Go** for Access Transparency to provide verifiable logs and auditing regarding Google employees' access to customer data

Google

Software Engineer Intern

Sunnyvale, CA, USA

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

Software Engineer Intern

Vancouver, BC, Canada

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%**
- Updated Amazon States Language compiler to validate ARNs at compile-time for a superior customer experience

Yelp

Software Engineer Intern

San Francisco, CA, USA

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

Undergraduate Research Assistant

Waterloo, ON, Canada

September 2019 - December 2019

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

Vida Health

Software Engineer Intern

San Francisco, CA, USA

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

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

EDUCATION

University of Waterloo

Honours Bachelor of Computer Science, BCS

Waterloo, ON, Canada

September 2016 - December 2021

Wilfrid Laurier University

Honours Bachelor of Business Administration, BBA

Waterloo, ON, Canada

September 2016 - December 2021