

# Jafer Haider

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## EXPERIENCE

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**Google** Chicago, IL, USA  
*Software Engineer* January 2022 - Present

- Working within Cloud Access Transparency to ensure protection of customer data on Google Cloud

**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%**
- 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

## PROJECTS

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**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

## SKILLS

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Python, Go, C++, JavaScript

## EDUCATION

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**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