

# Jafer Haider

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## EDUCATION

### University of Waterloo

*Honours Bachelor in Computer Science, B.S.*

Waterloo, ON, Canada

*September 2016 - December 2021*

### Wilfrid Laurier University

*Honours Bachelor in Business Administration, B.B.A.*

Waterloo, ON, Canada

*September 2016 - December 2021*

## SKILLS

**Languages:** Python, JavaScript, C++, C#, SQL, ASP.NET, Java

**Tools:** AWS, Jupyter, React, node.js, Django, Flask, scikit-learn

## EXPERIENCE

### Amazon

*Software Engineer Intern - Amazon Web Services*

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%** from several weeks down to under an hour
- Updated Amazon States Language compiler to validate ARNs at compile-time for a superior customer experience
- Developed and maintained pipeline and infrastructure to automate detection of new AWS regions

### Yelp

*Infrastructure 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

*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

*Data Science 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

### National Logistics Services

*Mobile Developer Intern*

Mississauga, ON, Canada

*September 2018 - December 2018*

- Designed visitor management app in **React Native** to decrease sign-in times **by 50%** solving rush hour traffic

### Bank of Montreal Capital Markets

*Software Developer Intern*

Toronto, ON, Canada

*January 2018 - April 2018*

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

### Camis Inc.

*DevOps Engineer Intern*

Guelph, ON, Canada

*May 2017 - August 2017*

- Created a web dashboard using **React, node.js** to enable field team to independently monitor remote clients health

## PROJECTS

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

**SparkMonitor** 🔗 – JupyterLab extension (**5000+ 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

**Loonie** 🔗 – Personal finance dashboard using **Plaid** to view net worth across all bank accounts at a glance

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