

# Jafer Haider

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## EDUCATION

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### 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

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Python, JavaScript, C++, C#, SQL, ASP.NET, Java, AWS, Jupyter, Node.js, React, node.js, Django

## EXPERIENCE

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### Amazon

Software Development Engineer Intern

Vancouver, BC, Canada

September 2020 - December 2020

- Incoming SDE intern at Amazon Web Services Step Functions working with serverless computation in **Java**

### Yelp

Infrastructure Engineer Intern

San Francisco, CA, USA

January 2020 - April 2020

- Extended JupyterLab with AWS credential management in **React** to reduce user onboarding times by over 3 hours
- Rewrote and maintained open source JupyterLab extension in **Python, JavaScript** for monitoring Apache Spark jobs to assist in monitoring and cutting internal Spark costs
- Developed Papermill IO handler in **Python** for Yelp's notebook database to schedule execution of notebooks

### 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

- Increased consumer engagement by designing and building recipe recommendations in **Python** using a hybrid implementation of content-based and collaborative filtering models
- Leveraged **BigQuery, Split** to translate data from A/B experiments into digestible presentations for product team
- Improved performance of primary prediction pipeline by 50% through parallelization and code deduplication

### National Logistics Services

Mobile Developer Intern

Mississauga, ON, Canada

September 2018 - December 2018

- Designed a visitor management app in **React Native** to decrease sign-in times by 50% solving rush hour bottleneck
- Implemented internal shipment tracking in **ASP.NET, SQL** to allow clients to self-service order tracking

### Bank of Montreal Capital Markets

Software Developer Intern

Toronto, ON, Canada

January 2018 - April 2018

- Connected an **ASP.NET MVC** front end to an **Oracle SQL** database to develop web apps to aid employees with common financial calculations when bidding in treasury auctions
- 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
- Initiated and launched a company-wide source control branching strategy involving migration from TFS to Git

## PROJECTS

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**SparkMonitor** 📄 – JupyterLab extension (500+ installs) for monitoring Apache Spark jobs executed in notebook cells

**BetterMultitasking** 📄 – iPadOS tweak (2000+ installs) enabling native execution of iPhone apps on iPad

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

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

**BigPiPEnergy** 📄 – iPadOS tweak (3000+ installs) removing native OS restrictions on Picture-in-Picture size

**web-msngr** 📄 – Web messaging app written using Mongo, Express, Angular, and Node.js similar to WhatsApp