

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, Spring

EXPERIENCE

Amazon

Software Development Engineer Intern

Vancouver, BC, Canada

September 2020 - December 2020

- Launching dynamic feature flag for AWS Step Functions using **AWS AppConfig** to decrease feature deployment time **by over 96%** from over four weeks to one day
- Designing AWS releases monitoring service in **Java, Spring** to maintain consistency in regional feature availability

Yelp

Infrastructure Engineer Intern

San Francisco, CA, USA

January 2020 - April 2020

- Extended JupyterLab with AWS IAM 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

- 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
- Leveraged **BigQuery, Split** to translate data from A/B experiments into digestible presentations for product team

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

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

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

BigPiPEnergy 📄 - iPadOS tweak (**4000+ installs**) removing native OS restrictions on Picture-in-Picture size

Resume Parser 📄 - Web app (**2000+ unique users**) that determines how well a resume is parsed in job applications

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

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