

Syed Jafer Haider

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EDUCATION

University of Waterloo

Honours Bachelor of Computer Science

Research Assistant – Programming Languages Group (CV)

Waterloo, ON

Sep. 2016 – Dec. 2021

Sep. 2019 – Dec. 2019

Wilfrid Laurier University

Honours Bachelor of Business Administration

Waterloo, ON

Sep. 2016 – Dec. 2021

EXPERIENCE

Amazon Web Services

Software Development Engineer Intern

Vancouver, BC

Sep. 2020 – Dec. 2020

- Incoming SDE intern at Relational Database Systems AuroraDB

Yelp

Software Engineer Intern – Infrastructure

San Francisco, CA

Jan. 2020 – Apr. 2020

- Extended Jupyter with AWS IAM credentials management to reduce new user onboarding times by over 3 hours
- Rewrote and maintained open source Jupyter extension for monitoring Apache Spark jobs to assist in monitoring and cutting internal Spark costs (git.io/JfG8k)
- Developed Papermill IO handler for Yelp's notebook database to enable scheduled execution of template notebooks

Vida Health

Software Engineer Intern – Data Science

San Francisco, CA

May 2019 – Aug. 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

Software Developer Intern – Mobile (Part-time)

Mississauga, ON

Sep 2018 – Dec. 2018

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

BMO Capital Markets

Software Developer Intern – Trading Products

Toronto, ON

Jan. 2018 – Apr. 2018

- Connected an ASP.NET 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 enable asynchronous bulk trading of bonds

Camis Inc.

DevOps Engineer Intern

Guelph, ON

May 2017 – Aug. 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

SKILLS

Languages: Python, Javascript, C++, C#, SQL

Technologies: AWS, Jupyter, Node.js, React, Django

PROJECTS

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

BetterMultitasking 📄 – iOS tweak (2000+ installs) enhancing execution, multitasking of iPhone apps on iPads

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