

Syed Jafer Haider

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PROGRAMMING SKILLS

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

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

EXPERIENCE

Amazon

Vancouver, BC

Software Development Engineer Intern – Amazon Web Services

Sep. 2020 – Dec. 2020

Yelp

San Francisco, CA

Software Engineer Intern – Infrastructure

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

University of Waterloo

Waterloo, ON

Research Assistant – Cheriton School of Computer Science

Sep. 2019 – Dec. 2019

- Implemented fence operations in [CV](#) for x86 hardware to allow for prevention of sequential code optimizations

Vida Health

San Francisco, CA

Software Engineer Intern – Data Science

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

Mississauga, ON

Software Developer Intern – Mobile (Part-time)

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

Toronto, ON

Software Developer Intern – Trading Products

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.

Guelph, ON

DevOps Engineer Intern

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

PROJECTS

[SparkMonitor](#) – JupyterLab extension for tracking and monitoring Spark jobs executed in a jupyter notebook cell

[BetterMultitasking](#) – iOS tweak with over 2000 downloads enhancing execution, multitasking of iPhone apps on iPads

[Meal Recommendations](#) – Content-based model that creates user profiles using ingredient matrices to recommend food

EDUCATION

University of Waterloo

Waterloo, ON

Honours Bachelor of Computer Science

Sep. 2016 – Dec. 2021

Wilfrid Laurier University

Waterloo, ON

Honours Bachelor of Business Administration

Sep. 2016 – Dec. 2021