

# Syed Jafer Haider

🌐 [itsjafer.com](http://itsjafer.com)   🐙 [github.com/itsjafer](https://github.com/itsjafer)   🔗 [linkedin.com/in/itsjafer](https://www.linkedin.com/in/itsjafer)   ✉ [itsjafer@gmail.com](mailto:itsjafer@gmail.com)   ☎ (650) 284-9693

## PROGRAMMING SKILLS

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

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

## EXPERIENCE

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### Amazon

*Incoming Software Development Engineer Intern*

Vancouver, BC

Sep. 2020 – Dec. 2020

### 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](https://git.io/JfG8k))
- Developed Papermill IO handler for Yelp's notebook database to enable scheduled execution of template notebooks

### University of Waterloo

*Research Assistant – Cheriton School of Computer Science*

Waterloo, ON

Sep. 2019 – Dec. 2019

- Implemented fence operations in C++ for x86 hardware to allow for prevention of sequential code optimizations

### 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

## PROJECTS

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[SparkMonitor](#) JupyterLab extension for tracking Spark jobs executed in a 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

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### University of Waterloo

*Honours Bachelor of Computer Science*

Waterloo, ON

Sep. 2016 – Dec. 2021

### Wilfrid Laurier University

*Honours Bachelor of Business Administration*

Waterloo, ON

Sep. 2016 – Dec. 2021