Jafer Haider

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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*

EXPERIENCE

Amazon Vancouver, BC
Software Development Engineer Intern *Sep. 2020 – Dec. 2020*
- Incoming SDE intern at Amazon Web Services Step Functions working with serverless computation in Java

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 – Programming Languages Group *Sep. 2019 – Dec. 2019*
- Implemented fence operations in C-for-all for x86 hardware to allow prevention of compile-time 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

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