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

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 (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

EDUCATION

University of Waterloo   Waterloo, ON
Honours Bachelor of Computer Science   *Sep. 2016 – Dec. 2021*

Research Assistant – Cheriton School of Computer Science   *Sep. 2019 – Dec. 2019*
- Implemented fence operations in C∀ for x86 hardware to allow for prevention of sequential code optimizations

Wilfrid Laurier University   Waterloo, ON
Honours Bachelor of Business Administration   *Sep. 2016 – Dec. 2021*