Jafer Haider

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EDUCATION

University of Waterloo	Waterloo, ON, Canada
Honours Bachelor in Computer Science, B.S.	*September 2016 - December 2021*
Wilfrid Laurier University	Waterloo, ON, Canada
Honours Bachelor in Business Administration, B.B.A.	*September 2016 - December 2021*

SKILLS

Languages: Python, JavaScript, C++, C#, SQL, ASP.NET
Tools: AWS, Jupyter, React, node.js, Django, Flask, scikit-learn

EXPERIENCE

Google — Mountain View, CA, USA
Software Engineer Intern — *May 2021 - August 2021*
- Incoming Summer 2021 Software Engineering intern

Amazon — Vancouver, BC, Canada
Software Development Engineer Intern — *September 2020 - December 2020*
- Launching dynamic feature flag for **AWS Step Functions** to decrease region onboarding time **by over 96%**
- Designing a system to monitor AWS region launches using **AWS SNS**, **AWS Lambda** to ensure service uptime

Yelp — San Francisco, CA, USA
Infrastructure Engineer Intern — *January 2020 - April 2020*
- Extended JupyterLab with AWS IAM management in **React** to reduce user onboarding times **by over 3 hours**
- Rewrote and maintained open source JupyterLab extension in **Python, JavaScript** for monitoring Apache Spark jobs to assist in monitoring and cutting internal Spark costs

University of Waterloo — Waterloo, ON, Canada
Research Assistant — *September 2019 - December 2019*
- Implemented fence operations for x86 hardware in **C-for-all** to allow prevention of compile-time code optimizations

Vida Health — San Francisco, CA, USA
Data Science Intern — *May 2019 - August 2019*
- Improved performance of primary prediction pipeline **by 50%** through parallelization and code deduplication
- Increased consumer engagement by designing and building recipe recommendations in **Python** using a hybrid implementation of content-based and collaborative filtering models

National Logistics Services — Mississauga, ON, Canada
Mobile Developer Intern — *September 2018 - December 2018*
- Designed visitor management app in **React Native** to decrease sign-in times **by 50%** solving rush hour traffic

Bank of Montreal Capital Markets — Toronto, ON, Canada
Software Developer Intern — *January 2018 - April 2018*
- Developed pub/sub messaging system in **C#, SQL Server** to asynchronously trade bonds in bulk

Camis Inc. — Guelph, ON, Canada
DevOps Engineer Intern — *May 2017 - August 2017*
- Created a web dashboard using **React**, **node.js** to enable field team to independently monitor remote clients health

PROJECTS

SparkMonitor ⌉ – JupyterLab extension (**5000+ installs**) to monitor Apache Spark jobs executed in notebook cells
BetterMultitasking ⌉ – ipadOS tweak (**5000+ installs**) enabling native execution of iPhone apps on iPad
Loonie ⌉ – Personal finance dashboard using **Plaid** to view net worth across all bank accounts at a glance
BigPiPEnergy ⌉ – ipadOS tweak (**4000+ installs**) removing native OS restrictions on Picture-in-Picture size
Resume Parser ⌉ – Web app (**2000+ unique users**) that determines how well a resume is parsed in job applications
Meal Recommendations ⌉ – Content-based model that creates user profiles of ingredient matrices to recommend food