

Abdullah Ali

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Education

2015-2020 **University of Toronto, St. George.**
Honours Bachelor of Science, *Summa Cum Laude (with distinction)*
Computer Science Major, Math Minor

Experience

- Jul' 20 **Software Engineer I**, *Oscar Health*, *New York City, NY.*
- Jan-Jun '19 **Software Engineering Intern**, *Flexport*, *San Francisco, CA.*
- Implemented a feature enabling support for trucking insurance covering >\$1m. in financial risk.
 - Contributed to the development of a service that fetched marketplace information and automatically generated invoices for clients.
 - Fixed a variety of critical bugs including a key issue with incorrect currency conversion on invoices.
- Ruby/Rails/React*
- May-Aug '18 **Software Engineering Intern**, *Amazon*, *Toronto, ON.*
- Implemented distributed locking on a team service using Amazon DynamoDB.
 - Created a filtering process that removed unnecessary service data for the goal of reducing disk I/O activity which resulted in a 70% improvement in processing latency and savings of \$30,000 monthly.
 - Utilized multithreading in data processing to reduce latency by 10% to adhere to 1 minute SLA.
- Java*

Technologies

Experience Python, Java, Ruby, C, C#, Javascript | AWS, React, GraphQL

Projects

- Winter '18 **Neural Machine Translation**, *Python*.
- Trained an attention-based neural machine translation model to translate words from English to Pig-Latin.
- Fall '17 **ext2 file system**, *C*.
- Explored ext2 file system and implemented mkdir, cp, ln, rm, and a file restore program from scratch.
- Summer '17 **Stocks + AI**, *Python*.
- Modelled mutual fund portfolios as CSPs to allow users to generate optimal models given parameters.

Extra

- Volunteer Notetaker for Accessibility Services - African Studies Union