

Alex Rushing

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EDUCATION

Georgia Institute of Technology - *Atlanta, GA*

Major: Computer Science | **GPA:** 3.61

EXPERIENCE

Amazon - *Software Development Engineer*

March 2018 - PRESENT

- Designed and implemented push and email notification system for Prime Stylist, serving over 100,000 customers and scalable to millions of customers world-wide.
- Designed, implemented, and verified via A/B testing a styling request flow that allowed customers to provide more details before submission. This added tens of thousands of requests per day and increased recommended items purchased by 12%
- Re-built the way Amazon builds cold-stored behavioral data using Spark and a whole new set of AWS services. This reduced time to availability from 3 days down to a few hours, while maintaining a 7ms average latency for over 1million TPS to our service that vends behavioral data.

Amazon - *SDE Intern*

May 2017 - August 2017

- Designed and implemented a full-stack search tool for internal access controls
- Created frontend for the search portal using Ruby-on-Rails, ReactJS, and custom CSS
- Defined and exposed RESTful Java APIs for the search tool and CRUD operations
- Built DynamoDB Tables and Indexes to allow search functionality

GTRI (Georgia Tech Research Institute) - *Software Co-op*

May 2015 - December 2016

- Developed on an automated framework for malware analysis and threat intelligence with a database of over 50 million samples
- Developed a malware threat level classifier using Python Scikit-Learn machine learning
- Implemented an IDS(Intrusion Detection System) while developing new custom sensors

SIDE PROJECTS

- **College Inspector** - D3.js project to examine trends in U.S. Colleges and Universities. It allows detailed comparison of schools while keeping macro trends easily discoverable.
- **Joint Travel** - A multi-origin, single destination flight search engine. It's ideal for geographically distant people that would like to meet together at one central location.

SKILLS

- Competency: Java, Python, Scala, Javascript, D3.js, ReactJS, Spark, AWS tooling (S3, SNS, SQS, DynamoDB, etc)
- Exposure: R, Sci-kit learn, TensorFlow, Ruby, Rails