

Alex Rushing

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EDUCATION	<ul style="list-style-type: none">• Georgia Institute of Technology, graduating Fall 2017 Candidate for Bachelors in Computer Science, GPA: 3.61/4.00• National University of Singapore, Exchange Student Fall 2015
CLEARANCE	Available Upon Request
SKILLS	Python, Java, Flask, Ruby-on-Rails, ReactJS, Linux, Git, SQL, MongoDB, DynamoDB, regex, R, Apache, Bash, HTML/CSS, Android, Ansible, Vagrant
EXPERIENCE	<p>SDE Intern, Amazon <i>Summer 2017</i></p> <ul style="list-style-type: none">• Designed and implemented a full-stack search tool for internal access controls used across all Amazon departments• Created the frontend for the search portal as part of a Ruby-on-Rails site using ReactJS, Bootstrap and custom CSS for styling• Defined and exposed RESTful Java APIs for the search tool and CRUD operations for associating keywords to certain resources• Built DynamoDB Tables and Indexes to allow search functionality <p>Software Co-op, GTRI-CTISL <i>Summer 2015-Spring 2017</i></p> <ul style="list-style-type: none">• Worked on Apiary, an automated framework for malware analysis and threat intelligence with a database of over 50 million samples• Assisted in developing a malware threat level classifier using Python's Scikit-Learn machine learning library• Implemented an IDS(Intrusion Detection System) while developing new custom sensors• Developed software with Agile principles and Scrum processes <p>Research Assistant, Georgia Tech Ubicomp <i>Summer 2016</i></p> <ul style="list-style-type: none">• Tracked and analyzed car trips to determine most expensive factor in owning a car• Created a Python web server with the Flask framework• Implemented a MySQL database for storing participants' trips• Added secure communication via HTTPS between Android app and Apache server <p>Resident Assistant, Georgia Tech <i>Fall 2014-Summer 2015</i></p> <ul style="list-style-type: none">• Fostered a diverse community of 46 freshman residents• Guided social and educational programs• Assessed and managed off-hour housing crises when on call
PROJECTS	<p>Raspberry Jarvis</p> <ul style="list-style-type: none">• Voice recognition tool written in Python for handling miscellaneous tasks such as controlling music with Spotify, checking emails, and telling jokes. <p>Retina News http://retinanews.net/</p> <ul style="list-style-type: none">• News site built by GT Big Data Club that crawls the web for news articles and uses a clustering algorithm for categorizing articles and suggesting new ones based on articles read by the user.• Worked with the web crawler team
Activities	<p>GT Big Data Club</p> <ul style="list-style-type: none">• Member <i>Fall 2014- Fall 2016</i>