Alexander Lee

(240)-750-4745

alexlee316@gmail.com

Work Experience

Data Engineering Intern – Zendesk ***Summer 2017***

- Developed tools and services for the Zendesk enterprise Big Data ingestion and analysis platform.
- Created automated workflows for data ingestion and ETL into Google BigQuery using Airflow
- Built web application to programatically query and display data for financial reporting
- Designed and wrote tools for intuitive data import/export between Google Cloud Storage, BigQuery, and Jupyter data analysis notebooks

Undergraduate Intern – FINRA Technology ***2015-2016***

- Built applications utilizing Amazon AWS services including S3, EC2, DynamoDB, Lambda, SNS
- Created tools to simplify credentials management and backup/disaster-recovery processes
- Developed Java/REST based applications to automate and expedite manual workflows

Code Contributor – DataGenerator: FINRA Open-Source Project ***Jan. 2015***

- Worked with the FINRA DataGenerator team to implement automated combinatorial test case generation for efficient load-testing of Big Data applications

Relevant Skills

- Programming experience in Java, Python, C, Ruby, Groovy, Ocaml
- App development using Amazon AWS and Google Cloud Platform
- Experience in UNIX/Linux systems
- Development tools/frameworks such as Grails, Maven, Git, Docker, nginx

Education

University of Maryland , College Park | Clark School of Engineering, ***Expected May 2018***
Honors College

- Received merit-based President's Scholarship from University of Maryland
- Pursuing a BS in Computer Engineering, 3.68 GPA

Relevant Coursework

- Algorithms – Design and analysis of algorithms and data structures, time and memory optimization
- Computer Systems – Process and memory management in C; computer architecture; software optimization
- Engineering Design – Design and construction of an autonomous vehicle
- Computer Organization - Assembly and machine instructions; datapath/controller design, pipelining and memory hierarchy