**­­­­­­­­­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