**­­­­­­­­­Alexander Lee**

(240)-750-4745

­­alexlee316@gmail.com

**Work Experience\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

* + Built applications utilizing Amazon AWS services including S3, EC2, DynamoDB, Lambda, SNS
  + Designed and implemented lightweight tools and services within a microservices architecture
  + Created tools to simplify credentials management and backup/disaster-recovery processes
  + Configured automated build/deployment procedures with Jenkins
  + Used Java and REST APIs to automate and expedite workflow-based processes and services

**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 services such as S3, EC2, DynamoDB, Lambda, SNS
* Experience in UNIX/Linux systems
* Experience using development tools/frameworks such as Grails, Maven, Git

**Education\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**University of Maryland at 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**

* + Organization of Programming Languages – Syntax, semantics, and implementation of programming languages; functional programming; parsing, context-free grammars, and regular expressions
  + Introduction to Computer Systems - Process, thread, and memory management in C; modern computer architecture; software optimization
  + Introduction to Engineering Design – Design and construction of an autonomous vehicle
  + Computer Organization - Assembly and machine instructions; datapath/controller design, pipelining and memory hierarchy