Alexander Lee

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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