

DEVIN LIM

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EDUCATION

Seattle University

BS in Computer Science, *cum laude*

Seattle, WA
September 2018 - June 2020

Tacoma Community College

AS in Computer Science, with honors

Tacoma, WA
March 2016 - March 2018

EXPERIENCE

Amazon

Student Intern

Seattle, WA
October 2019 - June 2020

Description:

- Built a WebRTC video call web-app with NodeJS and Express
- Built a robust, automated AWS pipeline that collects and analyzes information from individual calls
- Produced test data and developed a regression model to quantify the quality of a call based on network metrics

Acquired experience: AWS EC2, Kinesis Data Stream + Firehose, S3, Lambda, Elasticsearch + Kibana, IAM, Cognito, Route53, WebRTC, NGINX.

Polyverse Corporation

Compiler Engineer Intern

Bellevue, WA
July 2019 - September 2019

Description:

- Demonstrate a 100% mitigation of deserialization attacks through the use of Moving Target Defense on Java classnames (i.e. classname scrambling), which would've prevented RCE attacks such as the equifax breach
- Demonstrate that JVM classname scrambling is operationally viable and achievable in production systems and does not break or change normal behavior of the program

Acquired experience: Java Language and Virtual Machine Specifications, OpenJDK 12 (esp. java.base, jdk.compiler, and hotspot modules), automation with bash and regex (sed + awk), AWS EC2, Docker.

Co-Inventor of Patent 10,733,303: Polymorphic Code Translation Systems And Methods

MG2 Corporation

IT Support Specialist Intern

Seattle, WA
July 2018 - September 2018

Description:

- Solved issues submitted through internal ticketing system
- Expanded inventory management system

Acquired experience: Windows Enterprise & Active Directory, Cisco switches, ManageEngine, Barracuda networks

OTHER SKILLS

Languages: Java, Go, C++, Python

Linux: Daily use of Linux systems for 6 years as a hobbyist.

Experienced in using various UNIX tools and shell scripting for a more efficient workflow.

Scalable Systems: Major focus during senior year (Distributed Systems, Cloud Computing, and Parallel electives).

Understanding of bottlenecks, tradeoffs, and priorities within a distributed system design choice.

Conceptual knowledge of common distributed systems such as Chord, DynamoDB, GFS, Hadoop.

Source Control: Git + Github / Gitlab / AWS Codecommit

Build Systems: Familiar with Make and Cmake.

Hardware: Assemble / disassemble computer systems, identify and troubleshoot faulty hardware.

Real Languages: Fluent in English and Indonesian.