

# DEVIN LIM

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## EDUCATION

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### 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

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### Amazon - Video Call Analysis System Capstone Project

*Student Software Developer*

Seattle, WA

October 2019 - June 2020

Description:

- Built a WebRTC video call web-app with Node.JS and Express
- Built a robust, automated AWS system 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, SQS; 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 the equifax breach.
- Demonstrate that JVM classname scrambling is operationally viable and achievable in production systems.
- Demonstrate that such scrambling does not break or change the normal behavior of the program in any way.

Acquired experience: JLS & JVMs, OpenJDK 12 (esp. java.base, jdk.compiler, and hotspot modules), bash scripting, regex (with sed & awk), binary & hex editing, AWS, Git & Mercurial, Docker.

### 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 network switches, software, and tools; ManageEngine tools; Barracuda networks; Other corporate and conference tools.

## SKILLS

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Languages:	C/C++, Java, Go, Python
Linux:	Daily use of Linux systems for 5 years as a hobbyist. Experienced in using various UNIX tools and shell scripting for a more efficient workflow.
Compilers:	Knowledge of typical compiler and language processing concepts, specific OpenJDK12 knowledge.
Scalable Systems:	Major focus during senior year (Distributed Systems, Cloud Computing, and Parallel electives). Conceptual knowledge of common distributed systems such as Chord, DynamoDB, GFS, Hadoop. Understanding of bottlenecks and tradeoffs within a distributed system. Introductory use of EC2 Auto Scaling, ElasticLoadBalancing, AWS RDS, Spark with MapReduce.
Computer Hardware:	Assemble/disassemble computer systems & identify and troubleshoot faulty hardware.