

Naveed Golafshani

naveedgol@gmail.com · naveedgol.com · github.com/naveedgol

Skills

C++ · Python · AWS · Angular · TypeScript · Google Test · HTML / CSS · Git

Experience

Sony Electronics

San Jose, CA

Software Engineering Intern

Fall 2018


- Developed backend Python Flask servers and scripts for digital classroom solutions
- Architected multi-threaded, web socket based backend to apply Google Cloud Speech and computer vision techniques on nursing simulation videos
- Reduced digital exam delivery time by 275% by parallelizing document dispatch system

Sony Electronics

Waterloo, ON

Software Engineering Intern

Winter 2018

- Led project development of a serverless web app that managed hundreds of support tickets and a community knowledge network using Angular, AWS Lambda & DynamoDB
- Automated conversion of AWS API Gateway swagger files to HTML documentation using S3 and Lambda Python scripting, eliminating hours of manual labour
- Built real-time video transcription tool using IBM Watson demoed to public at [NAB 2018](#) 

Morega Systems

Toronto, ON

Software Engineering Intern

Summer 2017

- Streamlined log reporting process to archive and encrypt 40% faster in C++
- Reverse engineered Netflix login and search to create a custom API solution
- Utilized Google Test/Mock to create automated unit tests with 100% code coverage

Projects

Apple Music Web Player

- Built and deployed progressive web app with Angular and AWS that serves 50,000+ users
- Received 200,000+ page views and was featured on [MacRumours](#), [9to5Mac](#), and [Nasdaq](#)
- Minimized time to DOM interactive with service worker caching and image lazy loading

Compiler and Assembler for C++

- Built a compiler for a subset of C++ into MIPS assembly then binary
- Supports type checking, tail recursion, memory management, and dead code pruning

Remotify

- Developed iTunes/Spotify remote controller with Arduino micro controller in C++
- Built serial port listener in Bash to pipeline data seamlessly between Arduino and host

Education

University of Waterloo

Waterloo, ON

Bachelor of Software Engineering

2016 - 2020

- Dean's Honour List (3.8/4.0 Cumulative GPA)