Naveed Golafshani

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github.com/naveedgol

Experience

Facebook   **Menlo Park, CA**
Software Engineering Intern   Winter 2020
- Worked on a distributed priority queue handling 200B jobs/day on the Serverless Computing team
- Architected a new system to allow jobs executed in a workflow to pass data in C++

Google   **New York, NY**
Software Engineering Intern   Summer 2019
- Built data replay infrastructure for the Network Load Balance team to load test services
- Reduced log query time by 390x by implementing optimizations such as Bigtable lookup batching, client side filtering, and reduced memory copying in C++
- Created tool to reconstruct any previously processed network requests from a log database

Sony   **San Jose, CA**
Software Engineering Intern   Fall 2018
- Built a multi-threaded web socket backend in Python to automate grading of nursing exam videos
- Reduced digital exam delivery time by 75% by parallelizing document dispatch system

Sony   **Waterloo, ON**
Software Engineering Intern   Winter 2018
- Developed serverless web app for API support using Angular, AWS Lambda/S3/DynamoDB
- 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 the error reporting process to archive and encrypt logs 40% faster in C++
- Reverse engineered Netflix login and search to create a custom API solution

Projects

Apple Music Web Player
- Built and deployed a progressive web app with Angular and AWS that served 75,000+ users
- Received 700,000+ page views and was featured on 9to5Mac, MacRumours, and Nasdaq

Skills

C++ · C · Python · AWS · Bigtable · SQL · MapReduce · Bash · Angular · TypeScript · Git

Education

University of Waterloo   **Waterloo, ON**
Bachelor of Computer Science   2016 - 2021