Saad Ahmed

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Education

Master of Science	Bioinformatics, Western University Applications of Support Vector Machines and Convolutional, Long-Short Term Memory (LSTM) Neural Networks in predicting protein-protein interactions. Graduated April 2017.
Bachelor of Science	Honors Specialization in Bioinformatics, Western University Dean's Honors List 2011-2015. Western Gold Medal, 2015

Relevant Skills

Languages	C, C++, Python, C#, Java, Javascript/Node.js, HTML/CSS, Go, Swift, Matlab/Octave, SQL, Bash
Tools and Technologies	Git, Linux/Windows, Docker, Hashicorp stack, TensorFlow/Keras, Android/iOS SDK

Recent Experience

Sr. Software Engineer - Roblox

June 2020 - Current

· Developing and maintaining micro-services for the new marketplace experience. Using Golang, C# and Python
· Developed and maintained backend services and databases for the Thumbnails system. With C# and MSSQL
· Performed database migrations of hundreds of billions of rows, using dual-read/dual-write methods

Software Engineer - Microsoft

July 2017 - June 2020

· Working on core developer APIs and background services as part of the Windows OS team. C++ and C#.
· Implemented features in Background Intelligent Transfer Service (BITS), HttpClient, BackgroundTransfer.

Software Engineer (Android TV) Intern - Google (Mountain View)

May 2016 - August 2016

· Implemented a feature in the Live Channels App (Android TV Platform)
· Android SDK for the front-end; Java-based libraries and technologies for the server-side component.

Software Engineer (iOS Development) Intern - RaceRoster

May 2015 - August 2015

· Created iOS app using Swift, on a team of 4 interns - Activity tracker with newsfeed, chat, and achievements
· Developed activity tracking functionality - Timing and GPS-mapping of runs, calculating live stats, music playback

HackWestern Tech Lead - Western University

September 2015 - December 2016

· Developed official Android/iOS apps for school hackathon in 2015. 500+ downloads.
· Developed and maintained website and infrastructure as tech lead in 2016.

ACM International Collegiate Programming Contest - Western University

October 2013 - October 2016

· Represented school on a 3-person team, 2013-2015. 8th place in regional competition, 2015. Team coach, 2016

Student Researcher - WESTERN UNIVERSITY

May 2014 - August 2014

· Received a $4,500 national research grant to work on a project under a faculty supervisor
· Optimized a lossless image compression algorithm in C++ which can compete with modern standards