

# SAAD AHMED

✉ SAAD3000@GMAIL.COM ☎ (226) 344-7992

GITHUB.COM/MRSAAD · LINKEDIN.COM/IN/MSAADAHMED

## EDUCATION

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

## RELEVANT SKILLS

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- Languages** Java, Python, C, C++, Swift, Matlab/Octave, JavaScript, HTML/CSS, SQL, Bash
- Tools and Technologies** Android SDK, iOS SDK, MEAN stack, TensorFlow/Keras

## RECENT PROJECTS

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- Hack Western** Developed official Android and iOS apps for school hackathon.  
Apps include maps, schedules and push notifications. 500+ downloads.  
Developing and maintaining website and infrastructure as team Tech Lead this year.

## EXPERIENCE

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### 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.

### ACM International Collegiate Programming Contest - WESTERN UNIVERSITY

September 2013 - Current

- Selected to represent school on a 3-person team, 2013-2015
- 8th place in regional competition, 2015
- Team coach, 2016

### 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

### 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

### Student Developer/Research Assistant - GRAHN LAB, WESTERN UNIVERSITY

January 2012 - September 2015

- Programmed an Audio-Visual experiment for the Psychology department using Java
- Developed data processing pipelines and automated tasks using MATLAB and Python scripts