

Fahad Almusharraf

Engineer / Photographer

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EDUCATION University of Toronto, **M.A.Sc. in Computer Engineering**. Graduated in December 2018.
University of Waterloo, **B.A.Sc. in Honours Computer Engineering/Management Science Option Co-operative Program With Distinction**. Graduated in June 2015.

TALKS **Beyond Command and Response Chatbots** ElixirConf US, 2018

EXPERIENCE **Teaching Assistant @ King Saud University** Riyadh, Saudi Arabia, 05/2016 - present
On track to become a faculty member in the Computer Engineering Department at the College of Computer and Information Sciences

Teaching Assistant @ University of Toronto Toronto, ON. 01/2017 - 04/2017
01/2018 - 04/2018

Teaching first year students C programming for the course APS105

Security Software Engineer @ Lookout Toronto, ON. 06/2015 - 11/2015

Developing and testing enterprise cloud-based malware detection and analysis services for iOS/Android applications through static analysis and basic machine learning. Tools used include JRuby, Java, Apache Storm, Apache Kafka, and Weka

Security Software Intern @ Lookout San Francisco, CA. 08/2014 - 12/2014

Developing internal security tools for analyzing Android applications. Tools used include JRuby, Java, Ruby on Rails, Elasticsearch, and MySQL

Undergraduate Research Assistant @ University of Waterloo Waterloo, ON. 05/2014 - 08/2014

Building a wireless model car as part of a car study case in the Real-time Embedded Systems Lab. Tools used include QNX on BeagleBone and Matlab/Simulink C code generation

Software Engineering Intern @ BlackBerry Waterloo, ON. 09/2013 - 12/2013

Developing a Virtual Filesystem (VFS) for Apache Subversion and OpenStack Swift storage backends using for Linux and macOS. Tools used include C, Python, and FUSE

Cloud Services Engineering Intern @ Apple Cupertino, CA. 08/2012 - 04/2013

Developed internal tools for localizing Apple Maps, Dictionary, and macOS Geo data. Tools used include Ruby On Rails, Backbone.js, D3.js, and PostgreSQL

PROJECTS **SSLCAV** Enforcing OpenSSL Certificate Authentication for non-browser programs

Pixelfinder Ruby on Rails web application for image search based on EXIF data

Mosa Image Processing library to stitch a series of similar images to create a mosaic

SKILLS **Programming** C/C++, Java, Ruby/JRuby, Python, Elixir/Erlang, Matlab

Web HTML, CSS, JavaScript, React, Ruby On Rails, Phoenix, JSP

Mobile Android, React Native

Tools Git, SVN, Docker, PostgreSQL, MySQL, DynamoDB, Realm DB

AWARDS & FUNDING **Phd/Master's Scholarship**, King Saud University, 09/2016 - present

Bachelor's Scholarship, Saudi Arabian Ministry of Education, 01/2010 - 05/2015

Engineering International Student Scholarship, University of Waterloo, 09/2010 - 04/2015

President's Scholarship of Distinction, University of Waterloo, 01/2010 - 01/2011