


# ARTHUR LEUNG

arcyleung.com

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## AREA PROJECT

## INTERESTS AND RESEARCH PROJECTS

Mobile/ Web	Published MoBooru on Google Play; an art and design app with 1000+ users and 4.3+ star reviews
Networks	Wrote a simulator in C++ for stochastic CSMA/CD traffic and collision analysis
RTC	Developed a Java app to view live video from IP cameras with support for pan/ tilt/ zoom control
Security	Created a Cordova Plugin that detected the presence of a TEE/ secure chip on Android devices
Big data	Analyzed P2P usage from 8 million+ torrent metadata entries (Openbay Project) in a self study paper

## UNIVERSITY OF WATERLOO

09/2015-PRESENT

Candidate for Bachelor of Applied Science, Computer Engineering

President's Scholarship of Distinction by UWaterloo. Awarded bursary by Camp #3 of Iron Ring Ceremony (Kingston)  
Recipient of Governor General's Academic Medal (Bronze)

## LIFION BY ADP

09/2019

Software Engineer, Manhattan/ New York

Implementation of architectures and tooling to support multiple data providers (AWS Neptune)  
Contributed to federation effort of internal software to improve interoperability of microservices

## TESTFIRE INC.

09/2018

Software Developer ( Full Stack ), Edmonton

Developed JS microservices hosted on Azure to ingest, process and store both audio and text  
Designed and composed responsive React user interface for Hendrix.ai transcription service

## BAYER AG.

01/2018

Software Developer/ DevOps, Mississauga

Automated development and testing with Ranorex and Jenkins, lead threat mitigation initiative  
Provisioned ESXi hypervisor hosts for clients, managed computational resources in vCenter

## ULTIMATE SOFTWARE GROUP INC.

04/2017

Software Developer ( Full Stack ), Toronto

Contributed to iOS, Android app in Ionic/Cordova; integrated TurboTax with UltiPro product  
Helped team secure first place in corporate hackathon; voice assisted AI ( Google Dialogflow )

## NOKIA NETWORKS INC.

01/2016

Software Developer, Ottawa

Designed and implemented REST APIs for VLAN management suite (NI Guardian, Surveyor)  
Effectively integrated BPMN/ workflow functionality between products through REST APIs

## QUEEN'S UNIVERSITY

06/2014

Research Assistant, Kingston

Trained classification model in R from big data set; spoke in SAIL 2014 summer conference  
Completed Research Thesis: Likelihood of Academic Authors Becoming Principle Investigators

## REPERTOIRE

.NET  
Android SDK  
AngularJS  
Azure  
C++/C  
CircleCI  
Cordova  
Docker  
Gremlin  
Hadoop  
Illustrator  
Ionic  
JenkinsCI  
Kafka  
Kubernetes  
LaTeX  
MySQL  
Neptune  
NodeJS  
Photoshop  
Postgres  
Python  
R  
Ranorex  
ReactJS  
Spark  
Spring  
TeamCity  
TypeScript  
VHDL  
VMware ESXi  
Vue