

# ARTHUR LEUNG

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AREA	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
Dist. systems	Completed coursework utilizing Zookeeper, Hadoop, Spark, and Kafka
ML	Utilized Tensorflow and PyTorch in imaging applications for autonomous vehicles course
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

2015-2020

Computer Engineering, BSc  
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)

### SOFTWARE ENGINEER LIFION BY ADP

09/2019  
MANHATTAN NY

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

### FULL STACK DEVELOPER TESTFIRE INC.

09/2018  
EDMONTON AB

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

### SOFTWARE DEVELOPER BAYER AG.

01/2018  
MISSISSAUGA ON

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

### FULL STACK DEVELOPER ULTIMATE SOFTWARE GROUP INC.

09/2016-04/2017  
TORONTO ON

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 )

### SOFTWARE DEVELOPER NOKIA NETWORKS INC.

01/2016  
OTTAWA ON

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

### RESEARCH ASSISTANT QUEEN'S UNIVERSITY

06/2014  
KINGSTON ON

Trained classification model in R from big data set; spoke in SAIL 2014 summer conference  
Presented Thesis at conference: Likelihood of Academic Authors Becoming a PI

## REPETOIRE

.NET  
Android SDK  
AngularJS  
AWS Neptune  
Azure  
C++/C  
Docker  
Gremlin  
Hadoop  
Illustrator  
Ionic  
JenkinsCI  
Kafka  
Kotlin  
Kubernetes  
LaTeX  
MySQL  
NodeJS  
OpenCL  
OpenMP  
Photoshop  
Postgres  
Python  
R  
Ranorex  
ReactJS  
Spark  
Spring  
TypeScript  
VMware ESXi  
VueJS