

ARTHUR LEUNG

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arcyleung.com

AREA	PROJECT	INTERESTS AND RESEARCH PROJECTS
Mobile/ Web Networks	Published MoBooru on Google Play; an art and design app with 1000+ users and 4.3+ star reviews	
Dist. systems	Wrote a simulator in C++ for stochastic CSMA/CD traffic and collision analysis	
ML	Completed coursework utilizing Zookeeper, Hadoop, Spark, and Kafka	
Security	Utilized Tensorflow and PyTorch for object detection in imaging applications for autonomous vehicles	
Big data	Created a Cordova Plugin that detected the presence of a TEE/ secure chip on Android devices	
	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

09/2016

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
Azure
C++/C
Cordova
Docker
Hadoop
Illustrator
JenkinsCI
Kafka
Kubernetes
LaTeX
MySQL
Neptune
NodeJS
OpenMP
OpenCV
Photoshop
Postgres
Python
R
ReactJS
Spark
Spring
Tensorflow
TinkerPop
TypeScript
VMware ESXi
Vue