

ARTHUR LEUNG

ac7leung@edu.uwaterloo.ca  arcyleung.com

linkedin.com/in/arcyleung

github.com/arcyleung

twitter.com/arcyleung

dev.to/arcyleung

 4A Computer Eng.

 (343) 363-1835

 20601312

AREA PROJECT

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

INTERESTS AND RESEARCH PROJECTS

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)

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
Architected an end-to-end testing service for integration with conference bridges

SKILLS

.NET
Android SDK
AngularJS
Azure
C++/C
CircleCI
Cordova
Illustrator
Ionic
JenkinsCI
LaTeX
MySQL
NodeJS
Photoshop
Postgres
Python
R
Ranorex
React
Spring
TeamCity
TypeScript
VHDL
VMware ESXi

BAYER AG.

01/2018

Software Developer/ DevOps, Mississauga

Automated development processes with Ranorex and Jenkins, eliminating repetitive tasks
Designed, implemented system to mitigate cybersecurity threats/ test Radometrics application
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)
Performed internal demos and presentations to product manager, reviewed code patches

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
Documented and tested products thoroughly to meet clients' specifications

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
Self taught Python, NumPy; used it in collating, filtering, deduplicating raw data used for study

Native, Fluent
English
Cantonese

Proficient
Chinese