

ARTHUR LEUNG

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3A Computer Engineering
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343 -
363 -
1835

Adept in Java, C#; Backend development with Spring, .NET; Frontend experience with Angular/ Ionic/ Cordova
Familiar with data analysis and predictive modelling with R, python, and classical machine learning
Confident interpersonal, communication, and presentation skills: gave 15 minute talk on research at Queen's U event
Fast and flexible in agile development environments, versatile in either working in a team or individually
Keen and self-motivating learner: self taught R, Python

UNIVERSITY OF WATERLOO

Candidate for Bachelor of Applied Science, Computer Engineering

EDUCATION

[2015 - PRESENT]

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)

BAYER AG

Software Developer/ DevOps, Mississauga

[2018]

Automated development processes with Ranorex and Jenkins, eliminating repetitive tasks
Designed, implemented system to mitigate cybersecurity threats/ test Radimetrics application
Provisioned ESXi hypervisor hosts for customers, managed computational resources in vCenter

EXPERIENCE

SKILLS

.NET
Android SDK
AngularJS
C++/C
Cordova
Ionic
J2EE
Jenkins CI
LaTeX
SQL
NodeJS
Postgres
Python
R Project
Ranorex
Spring
Teamcity
VHDL
VMware ESXi
WebLogic

ULTIMATE SOFTWARE GROUP, INC.

Software Developer (Full Stack), Toronto

[2016 - 17]

Contributed features for iOS, Android app in Ionic/Cordova; developed APIs for UltiPro product
Helped team secure top prize in corporate hackathon; voice assisted AI (Google Dialogflow)
Performed internal demos and presentations to product manager, reviewed code patches

NOKIA NETWORKS, INC

Software Developer, Ottawa

[2016]

Designed and implemented REST APIs for multi-tiered Java EE web applications
Effectively integrated BPMN/ workflow functionality between products through REST APIs
Documented and tested products thoroughly to meet clients' specifications

Illustrator
Photoshop

QUEEN'S UNIVERSITY

Research Assistant, Kingston

[2014]

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

AREA | PROJECT

Mobile/ Web	Successfully deployed art and design app on Play store with 500+ users and 4+ star reviews
Big data	Analyzed P2P usage from 8 million+ torrent metadata entries (Openbay Project) in self study paper
RTC	Developed: Java app to view live video from IP cameras. Rainmeter plugin to view cryptocurrency
Security	Created a Cordova Plugin that detected the presence of a TEE/ secure chip on Android devices
Embedded systems	Configured a Raspberry Pi as a fax server, for forwarding faxes to Email as PDFs

INTERESTS AND RESEARCH PROJECTS