Ray Nie

About

🏠 rhnie.me

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Programming

Java	Proficient
Javascript	Proficient
Python	Prior Experience
C++	Proficient
PHP	Prior Experience
C	Proficient
R	Prior Experience

Others

Meteor.js	Docker	Git
MongoDB	Node.js	Azure
MySQL	Photoshop	AWS
Angularjs	Jekyll	

Extracurriculars

Waterloo App Development Club

Waterloo Computer Science Club

Waterloo Breakdancers

Professional Experience

Software Developer
PerkinElmer Labs
Sept 2016 - Dec 2016

> Meteor.js
> Raspberry Pi
> Azure Machine Learning
> Amazon Web Services
> RapidMiner
> Docker

- Developed an IoT project to help scientists more effectively monitor and control lab instruments remotely.

- Increased instrument uptime with a predictive maintenance machine learning application created with RapidMiner.

- Built Docker images for all projects to easily develop and deploy in different environments as well as on AWS EC2 Instances.

Web Developer
Ontario Lottery & Gaming
Jan 2016 - Apr 2016

> Javascript
> PHP
> Wordpress
> MySQL

- Reduced company costs by developing a WordPress plugin and tool to help manage Board of Director Expenses.

- Helped promote OLG's new games and services by designing ads and creating promotional webpages.

- Took ownership of all of the front-end bug fixes and updates for OLG' main website.

Personal Projects

Text Finder
U of T Hacks III Finalist

> Java
> Tesseract OCR API

- Developed an Android app using Tesseract Optical Character Recognition API.

- Takes a picture and detects keywords on the picture.

Pigment

> Java
> libGDX
> Photoshop

- Developed a video game on Android using Java and the LibGDX game engine.

- Created all graphics using photoshop.

Education

University of Waterloo

- Honors Mathematics Co-op (Sept 2014 - Dec 2016)

- Computer Science Co-op (Jan 2017 - present)