

GURPREET SINGH

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EDUCATION

University Of Western Ontario

Honors Specialization in Computer Science

London, Ontario

Grad: May 2018

EXPERIENCE

IBM Canada

Infosphere MDM Software Engineer

Markham, Ontario

May 2016 — August 2017

- Designed and implemented frameworks to assist with end to end regression tests, allowing for continuous build deployment, testing, post processing, reporting, and publishing through each release cycle.
- Lead a team of developers to create a microservice management architecture for the delivery platform and converted existing tools to microservices.
- Presented tutorials on how to use new technologies to the team. Held one on one sessions with developers and managers to explain how to use Git, Docker, etc, and how it could benefit their workflow.
- Worked extensively with DevOps tools like Docker, Travis, Jenkins and Git to develop and deploy tooling.

United Steelworkers (USW)

Information Technology Intern

Toronto, Ontario

May 2015 — September 2015

- Developed websites for political representatives.
- Created java applications to automate office tasks.
- Presented weekly analytical reviews of online content.

UWO Computer Science Tutoring

Programming Tutor

London, Ontario

June 2013 — September 2014

- Tutoring university students in the subject of Computer Science while still in high school.
- Arranging sessions with students and answering challenging programming problems.
- Researched and implemented new advertising methods to gain more students.

Wheable Secondary School

Assistant Teacher

London, Ontario

September 2009 — September 2010

- Taught foreign languages to elementary/high school students.
- Created work sheets and other teaching material

PROJECTS

HackingCancer Java

HackingCancer.me

Reverse engineered raw cancer research data (gene microdata) and manipulated it into a playable game. The player assists in the analysis of the data. Winner of Westerns Hackathon in 2015. Made in 36 hours.

ARK IOT Blockchain, Javascript, Kotlin, Hardware

<https://github.com/ArkEcosystem>

Opensource project that aims to connect IOT devices to the blockchain using on-chain data.

Cloud Drive C, Valgrind, Redis, TCP/UDP

<https://github.com/Guppster/Drive>

Cloud drive networking implementation written in C. Functions like Dropbox.

Microservices-Core Rust, Go, Kotlin, C, Java

<https://github.com/Guppster/MicroservicesStack>

A central microservice management framework that enables microservice deployment, registration, querying and execution.

SKILLS

Programming Languages: Java 8, C, C#, Python, Ruby, Lua, Go, Rust, Kotlin, Perl
DevOps Tools: Git, Jenkins, Travis, Docker, Gradle, Maven, Bluemix