

# Will Pringle

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## Education

### University of Guelph

BACHELORS IN SOFTWARE ENGINEERING

GPA: 3.65

Guelph, Ontario

Sep 2018 – April 2023

## Experience

### Wave

SOFTWARE ENGINEER

- Helping Wave transition its APIs from REST to GraphQL

Toronto, Canada

September 2021 – December 2021

### Kings Distributed Systems

SOFTWARE DEVELOPER

- Core developer working on the Distributed Compute Protocol NodeJS microservices and MySQL database
- Implemented payment commissions, a feature that transfers a specified fraction of a payment to a separate account, allowing KingsDS to make revenue for every workload sent over their network
- Fixed critical race condition bugs in the network transport layer of the system improving security
- Re-branded a client facing frontend portal for a research study with over 100 participants using the Distributed Compute Protocol

Kingston, Canada

Jan 2020 – Present

### Ontario Ministry of Finance

SOFTWARE DEVELOPER

- Automated data entry and modeling using Python reducing time for a critical task by 99%
- Wrote an internal Python and R package to help economists analyze tax data used to write policy that affects millions of Ontarians
- Developed scripts to parse and analyze Excel data into a usable format using libraries such as Pandas and Numpy

Toronto, Canada

June 2020 – December 2020

## Skills

**Programming Languages:** JavaScript, C, Python, Kotlin, Java, Shell / Bash, SQL, R, Perl

**Technologies:** Node.js, Linux, Android Studio, GraphQL, AWS, Express.js, Tensorflow

## Projects

### JADCC (Distributed Clang Compiler)

- UTILIZED THE DISTRIBUTED COMPUTE PROTOCOL TO DISTRIBUTE CLANG X86 COMPILATION OF C CODE

Webassembly, JavaScript, NodeJS

<https://github.com/wiwichips/jadcc>

### ScanX

- LED A TEAM TO CREATE AN OPEN SOURCE SIMPLE BARCODE SCANNING AND INVENTORY MANAGEMENT SYSTEM
- IMPLEMENTED A FRONTEND SEARCH SYSTEM THAT QUERIES A DATABASE FOR ITEMS PREVIOUSLY SCANNED

Kotlin, Java, Android Studio, Python

<https://github.com/wiwichips/ScanX>

## Awards and Extracurriculars

August  
2020

**(First Place) Distributed Summer Hackathon**, Collaborated in a team of two under a 36 hour period to develop Gunkstribute, a project that utilizes DCP's highly distributed supercomputer to classify images in a large photo gallery efficiently

Distributed  
Compute Labs

Jan 2019

**(Second Place) Amazon Day Datapath**, Competed to learn Amazon's new query language Datapath to solve query related problems

Amazon

September  
2018 -  
Present

**BCOMP Forum Student Organization - Founder**, • Grew an online community of over 1300 Computer Science students to run events and collaborate

BCOMP

April 2021 -  
Present

**Hack The Job - Co-Founder**, • Organized and ran a sponsored hackathon with over 40 participants  
• Planning an upcoming hackathon in January focused on recruitment

BCOMPATHEON