

# Will Pringle

[willkantorpringle@gmail.com](mailto:willkantorpringle@gmail.com) | [linkedin.com/in/will-pringle](https://www.linkedin.com/in/will-pringle) | <https://github.com/wiwichips> | +1(519)994-0408

## EDUCATION

### University of Guelph

Sep. 2018 – May 2023

*Bachelor of Computing, Software Engineering, Area of Application in Business Economics*

*Guelph, ON*

- 84.847% cumulative average
- VP Event Planner for the *Society of Computing and Information Science*. Running a programming competition

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, C, Shell/Bash, Golang, Java, Kotlin, SQL, R, GraphQL, WebAssembly

**Frameworks and Libraries:** Node.js, Express.js, Apollo, Django, Tensorflow, pandas, NumPy

**Developer Tools:** Git, Docker, AWS, Android Studio, Datadog, Kubernetes

## WORK EXPERIENCE

### Software Engineer

May 2022 – August 2022

*Arctic Wolf*

*Waterloo, ON*

- In order to automate the deactivation of security vulnerability scanners, I wrote Go code that appropriately removes data by sending Kafka and RabbitMQ messages
- I wrote a Python script to automate the process of deactivating lists of scanners, speeding up the originally manual process substantially

### Software Engineer

September 2021 – December 2021

*Wave Financial Inc.*

*Toronto, ON*

- Implemented server caching using APQs for over 140+ GraphQL query HTTP requests reducing inbound network traffic by up to 93% for queries requested millions of times a month
- Helped increase GraphQL literacy by contributing to an internal training project and presenting at demos

### Software Developer

January 2021 – August 2021

*Distributive (Formerly known as Kings Distributed Systems)*

*Kingston, ON*

- Implemented a scraping feature for payments allowing a third party to make a commission off of paid compute
- Fixed critical race condition bugs in the transport layer affecting session ID generation, improving network security
- Onboarded 10 new developers to the team; introducing them to the codebase and assisting with setting up development environments

### Research Analyst

June 2020 – December 2020

*Ontario Ministry of Finance*

*Toronto, ON*

- Automated data entry and modelling using Python, reducing time for a critical monthly task by 99%
- Wrote a package in Python and R that helps economists analyze data that is used to write Ontario's tax policies

## PROJECTS

### JADCC

[github.com/wiwichips/jadcc](https://github.com/wiwichips/jadcc)

- Utilized DCP to write a distributed Clang compiler using WebAssembly, Javascript, and Node.js

### ScanX

[github.com/wiwichips/ScanX](https://github.com/wiwichips/ScanX)

- Contributed to the front-end Kotlin project for the barcode scanning and inventory management mobile app

## EXTRACURRICULARS & AWARDS

### Hack the Job

April 2021 – Present

- Co-founded a hackathon organization that has helped over 200 participants from 10+ universities learn industry tools and advance their careers
- Facilitated events, judged hackathon submissions, liaised with corporate sponsors and lead marketing

### BCOMP

September 2018 – Present

- Founder and president of an online community used by 1500+ Bachelor of Computing students at the University of Guelph to share class notes and collaborate with each other within the rules of the university

### Distributed Summer Hackathon: First Place Award

August 2020

- Developed a program that utilizes a parallel computing API to classify images in a photo album with Tensorflow