

Will Pringle

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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 (Backend)

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 across a distributed system 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 (API)

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 (Fullstack)

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

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

ScanX

github.com/wiwichips/ScanX

- Built an Android app in Kotlin allowing for barcode scanning and inventory management

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. This involves hosting speakers and running hackathons
- Facilitated events, judged hackathon submissions, liasoned with corporate sponors and led 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