Will Pringle

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EDUCATION

University of Guelph September 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**
- Run and organize the **Guelph Programming Competition** for competitive programming

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 Intern (Backend) May 2022 – August 2022
Arctic Wolf *Waterloo, ON*
- Implemented a feature in **Go** that removes data across a distributed system by sending **Kafka** and **RabbitMQ** messages in order to automate the deactivation of security vulnerability scanners
- Wrote a **Python** script to automate the process of deactivating lists of scanners, speeding up the originally manual process substantially

Software Engineer Intern (API) September 2021 – December 2021
Wave Financial Inc. *Toronto, ON*
- Implemented API request caching using **Automatic Persisted Queries** 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 Intern (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 Intern 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 1600+ 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**