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
- Awarded $3,000 Entrance Scholarship

TECHNICAL SKILLS

Languages: JavaScript, Python, C, Shell/Bash, Golang, Java, Kotlin, SQL, R, GraphQL, WebAssembly
Frameworks: Node.js, Express.js, Apollo, Django
Developer Tools: Git, Docker, AWS, Android Studio, Datadog, Kubernetes
Libraries: Tensorflow, pandas, NumPy

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 alloing 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
- 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

BCOMP   September 2018 – Present
- Maintaining an online community used by 1400+ 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   August 2020
- Developed Gunkstribute, an app that utilizes parallel computing to classify images with Tensorflow, in 36 hours