Will Pringle

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EDUCATION

University of Guelph — Sep. 2018 – Present

Bachelor of Computing in Software Engineering, Area of Application in Business Economics — *Guelph, ON*
- GPA: 3.65 or 85.16%
- Expected graduation date: April 2023
- Deans Honours List in Fall 2018 and Winter 2020

TECHNICAL SKILLS

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

WORK EXPERIENCE

Software Engineer — September – December 2021

Wave Financial Inc. — *Toronto, ON*
- Implemented APQs on an Apollo GraphQL server with 140+ queries, improving network performance by 93%
- Utilized Datadog, SumoLogic, and AWS console to investigate the impact of APQs on network traffic
- Helped increase GraphQL literacy by contributing to an internal training project and presenting at demos
- Fixed bugs and added features to Wave's Django and Node.js APIs
- Participated in Javascript, UI, and Reactive Systems working group meetings to learn about new technologies such as Kafka and the decision making process for adopting new technologies

Software Developer — January – August 2021

Kings Distributed Systems — *Kingston, ON*
- Implemented a key feature that allows the company to take commission for selected compute jobs that are sent over their network
- Fixed critical race condition bugs in the transport layer affecting session ID generation, improving network security
- Re-branded a client facing frontend portal for a research study with 1000+ participants using DCP
- Contributed to the Distributed Compute Protocol Node.js microservices and MySQL database

Software Developer — June – 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
- Developed scripts using pandas and NumPy to parse, analyze, and export Excel data to be used in Jupyter Notebooks and RStudio

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
- Organizing and facilitating hackathons and career events with 200+ participants from 10+ Canadian universities

Distributed Summer Hackathon: First Place — August 2020
- Developed Gunkstribute, an app that utilizes DCP to classify images with Tensorflow, in 36 hours in a team of 2

BCOMP — September 2018 – Present
- Created an online community used by 1300+ Bachelor of Computing students at the University of Guelph to share class notes and collaborate with each other according the rules of the university