

Will Pringle

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EDUCATION

University of Guelph

Sep. 2018 – May 2023 (expected)

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

Guelph, ON

- GPA: 3.65/4.0 (85.16% cumulative)
- Awarded \$3,000 Entrance Scholarship
- 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 2021 – 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
- 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 2021 – 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
- Contributed to the DCP Node.js microservices used for scheduling, tracking, and executing the distributed code, as well as the MySQL database used to manage accounts and transactions
- 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
- 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

- Co-founded and run hackathons and career events with 200+ participants from 10+ Canadian universities

Distributed Summer Hackathon: First Place

August 2020

- Developed Gunkstribute, an app that utilizes parallel computing to classify images with Tensorflow, in 36 hours

BCOMP

September 2018 – Present

- Maintaining an online community used by 1300+ Bachelor of Computing students at the University of Guelph to share class notes and collaborate with each other within the rules of the university