

Will Pringle

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TECHNICAL SKILLS

Languages: JavaScript, Python, Rust, C, Go / Golang, Bash, Java, SQL, GraphQL

Frameworks and Libraries: Node.js, Express.js, React, Apollo, Django, Tensorflow, Pandas, NumPy

Developer Tools: Git, GitHub Actions, Docker, AWS, Datadog, Kubernetes, MySQL, OpenAPI

WORK EXPERIENCE

Software Engineer

January 2024 – Present

Amazon Web Services

Toronto, ON

- [Aurora MySQL](#) Logical Replication team

Lead API & Toolchains Developer

June 2024 – November 2024

Distributive

Kingston, ON

- Designed and built a Webhook server in **Go** for accessing **AI model inferences** deployed to [DIANA](#)
- Created a runtime for distributed **Python** execution on [DCP](#) built on **WebAssembly** and **Pyodide**
- Designed and implemented a **Python** SDK for distributed computing via DCP ([Source code on GitHub](#))
- Planned Quarterly OKRs, mentored developers, and scoped MVPs for API and Toolchain products for DCP

Software Developer

May 2023 – June 2024

Distributive

Kingston, ON

- Developed a **REST API** for distributed computing integrated with **OAuth2.0** using **NodeJS** and **Express**
- Implemented OAuth2.0-based SDK authorization for enhanced security and convenience for SDK users
- Created a Kubernetes `manifest.yaml` generator to configure and deploy DCP compute clusters efficiently
- Drove the success of [PythonMonkey](#)'s launch, earning 300+ GitHub stars in the first month and 800+ stars to date
- Designed in **Figma** and implemented the pythonmonkey.io landing page using **HTML**, **JS** and **CSS**

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 deactivating 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

Kingston, ON

- Implemented a scraping feature for payments, enabling a third party to earn commissions on paid compute

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

EDUCATION

University of Guelph

September 2018 – May 2023

Bachelor of Computing, Computer Science, Area of Application in Business Economics

Guelph, ON

- Founder and leader of the Guelph B.COMP Discord server, growing active membership from 0 to 2200+
- VP Event Planner for the Society of Computing and Information Science
- Ran and organized multiple Guelph Programming Competitions and a hackathon with over 200 participants

PROJECTS

ImgProBox([Try it out](#))

github.com/wiwichips/imgprobox

- Image processing toolbox in the browser using **Rust** compiled to **WebAssembly** for the core logic and **React**
- Able to efficiently processes a live webcam feed or allow for images to be uploaded