
EDUCATION	University of Alberta <i>Computing Science, BSc</i>	September 2017 – May 2021 3.7 GPA
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WORK EXPERIENCE	Inspiration Commerce Group <i>Full Stack Developer</i>	Sept 2023 – Present Edmonton, AB
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- Manage maintenance and development operations such as integrating with third party services, testing, deploying, code auditing and on-call monitoring for a client-facing Ruby on Rails frontend- and Python/NodeJS (TypeScript) backend- applications
- Optimize costs, scalability and reliability of critical internal and client-facing web services using technologies such as Docker, Terraform, ECS, Kubernetes, SQS and RDS
- Lead development projects across international teams, ensuring development best practices and consistent communication to stakeholders

Wishart Lab / Univeristy of Alberta <i>Full Stack Developer</i>	May 2021 – Sep 2023 Edmonton, AB
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- Develop web applications with Ruby on Rails, focusing on back- and front-end feature integration, Rake task automation, security protocol implementation and UI development using JavaScript and Bootstrap
- Build novel Python data analysis pipelines in collaboration with non-technical team members
- Optimize complex searches on large datasets utilizing MySQL and Elasticsearch to achieve better accuracy and speed

QBoost <i>Software Designer</i>	Sept 2022 – Sept 2024 Edmonton, AB
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- Own the design, development, deployment and maintenance of scalable full-stack SaaS servers using languages and technologies such as Ruby on Rails, Python, Docker, Terraform and Google Cloud Services
- Collaborate closely with clients, stakeholders and technical team members to develop and improve a diverse set of LIMS and QMS systems
- Perform code reviews, audits, functional tests and status checks across all services and infrastructure

PROJECTS	Password and Key Manager (PAKMAN) (Rust) (Ongoing)	https://github.com/hmp31/pakman
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- Open-source command-line interface tool for automating the rotation and deployment of passwords and SSH keys
- The end goal of the project is to implement an optional lightweight server for easy organization-level management of key and password policies

OpenJ9 Performance Instrumentation for AI Tool (C++)	https://github.com/eclipse-openj9/openj9-utils/tree/master/perf-tool
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- Collaborated within a small team to implement a Java Virtual Machine (JVM) agent using the Java Virtual Machine Tooling Interface (JVMTI) to capture rich information about the runtime behaviour of the OpenJ9 JVM
- Additionally provides a REST API to facilitate live control of the agent data gathering

Responsible AI Design Assistant (JavaScript)	https://github.com/UAlberta-CMPUT401/ai-global
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- Implemented an interactive tool for generating recommendations on how to better design and build AI systems to align with international regulations based on user-provided answers to a questionnaire
 - Project was implemented across a small team with a MERN stack
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TECHNICAL SKILLS

Languages: Ruby, Python, Go, C / C++, Java, JavaScript / HTML / CSS, TypeScript, MySQL, BigQuery, Postgres


Frameworks: Ruby on Rails, Django, Flask, React, NodeJS


Operating Systems: Windows, Linux (Arch & Debian), OS X

Cloud Services: AWS, Google Cloud, Digital Ocean

Tools: Docker, Git, Terraform, Redis, Sidekiq, Elasticsearch, Manticore/Sphinx Search, DBT

LINKS

 <https://harrisonpeters.ca>

 <https://github.com/hmp31>

 <https://www.linkedin.com/in/harrison-peters>