

SKILLS

Languages: Python, C, C++, Ruby, Java, HTML, CSS, JavaScript, TypeScript, SQL Frameworks: Django, Flask, FastAPI, Rails, OpenCV, Mediapipe, Tensorflow, Keras, Numpy, Pandas, Spark, Airflow, Scikit-Learn, Matplotlib, Bootstrap, Tailwind, React, React-Native, NextJS Tools: Linux, Git, Bash, Makefile, VSCode, Postgres, Redis, Postman, Docker, Kubernates, AWS, Google Cloud, Azure, Databricks, Jira, Confluence, LATEX EXPERIENCE •RBC Investor Services - Data Engineer [Co-op] May 2023 - Aug 2023 - Worked on fully automating the ETL pipelines for dozens of terabytes of critical investor data using Airflow, Pandas, PySpark, Databricks, and AWS. - Contributed to major workflow and repository changes, decreasing the time taken to set up a new ETL pipeline by 75%. - Added comprehensive unit tests to existing repositories, significantly improving the CI/CD workflow and decreasing the time taken for a manual code review by over 50%. •University of Waterloo - Full-Stack Developer [Part-Time] Oct 2022 - Dec 2022 - Created full-fledged, interactive, mobile-responsive admin web pages using React and Ant Design, and populated them using a Go server. •Nokia - Future Tech Intern [Full-Time] Jul 2021 - Aug 2021 - Created a script with Python, Locust, and Greenlet to load-test the Nokia Network Services Platform by sending millions of HTTP requests per second, a 30x speed increase over the older program. - Cleaned up and optimized old Javascript-based Selenium tests to make them over 5x faster, while still using less resources. •Tilda Research - Full-Stack Developer [Part-Time] Jan 2021, Jul 2021 - Added filter-based search to admin pages on a *Ruby-on-Rails* server, making complex searches over 3x faster. - Made the **UI load time** for various pages over 50% faster, and improved the **UI and UX**. POSITIONS OF RESPONSIBILITY •Faculty Ambassador and Orientation Leader, University of Waterloo Nov 2022 - Present •Vice-President, UW Computer Science Club Sep 2023 - Present •Lecturer and Mentor, UW Blueprint Oct 2023 - Present Projects

Docket

Python, Django, Nginx, Postgres, Redis, Celery, Bootstrap A cross-platform calendar app with various built-in tools to help with time management.

•Pikpic Python, Flask, Tensorflow, Keras, FaceNet, YOLOv6 A self-hosted photo gallery app that uses deep neural networks and embedded JPEG metadata to allow searching for images for people, places, things, and text.

Singularity

Python, REST APIs A lightweight, automated, and highly customizable, CLI script that downloads content from online learning platforms like Google Classroom and D2L Brightspace using their APIs.

Blockmind.AI

NextJS, Prisma, Tailwind, ChatGPT API, Web3 dApps A ChatGPT-based chatbot that teaches people about cryptocurrency and the Web3 ecosystem, with integrated features like a market visualizer and wallet functionality. Winner of over US\$3000 in prizes at ETHWaterloo 2023.

EDUCATION

•University of Waterloo - Honours, Computer Science, Co-op 2022 - 2027 Courses: Algorithms, Data Abstraction, Object Oriented Programming, Digital Logic, Calculus, Physics, GIS.