

Samuel Jack Morris

GitHub: <https://github.com/dodobird181>

LinkedIn: <https://linkedin.com/in/smorris-profile>

Contact: Dodobird181@gmail.com • (250) 508-6292



EXPERIENCE

The Resilient Urban Systems & Habitat Initiative, Montréal, Québec

May 2025 – Present

Lead Backend Developer, Remote

- Single-handedly created a Django web-application for uploading, styling, and describing geographic data in a variety of formats.
- Trained, managed, and supervised a team of volunteer programmers as part of our partnership with Data For Good. Used Linear to create tasks and monitor individual progress. Helped volunteers navigate difficult tasks and configure their development environments.
- Responsible for building and maintaining all backend infrastructure, representing RUSH in inter-company meetings, and planning technical projects on our roadmap while considering key stakeholders.
- Built a custom CI/CD pipeline for automated unit-testing and deployment, as well as an automated backup management system using Rclone and Backblaze.

Emburse Inc., Montréal, Québec

August 2022 – May 2025

Level 2 Software Developer, Remote

- Full-stack Python developer for the Emburse Cards Django web app, responsible for implementing new features, addressing technical debt, participating in on-call rotations, running deployments, writing unit and integration tests, planning projects, responding to on-call emergencies, and performing code-reviews.
- Contributed over 85% of the work on an urgent security project to protect our application against fraudulent activity by using two-factor authentication and monitoring user login activity.
- Led a certification process where I was the sole representative for my team in calls with Apple and Stripe that involved performing various actions on our backend at the request of a third-party tester.
- Created an internal tool for exporting foreign exchange and cross border fees for our clients, and a cron job for charging them at the end of their pay periods.

SKYTRAC Systems Ltd., Montréal, Québec

May – September 2021

Junior Software Developer Internship, Remote

- Spearheaded the development of a new Java application for scheduling, packaging, and sending emails to customers based on their account's notification settings.
- Created CI/CD pipelines, Docker images, and unit-tests to streamline application deployment.

EDUCATION

McGill University, Montréal, Québec

September 2018 – May 2022

Bachelor of Arts and Science (B.A. & Sc.) Honours Cognitive Science, Bachelor of Arts, Minor Computer Science.

- CGPA 3.55/4.00. Graduated with *First Class Honours* in May 2022.

SKILLS

Python: Asyncio, Django, Flask, InteractiveBrokers, Matplotlib, NumPy, OpenAI, OpenTelemetry, Pandas, Plaid, Poetry, Py4J, PyGame, Stripe. **Infrastructure:** Bash, CodeFresh, Coralogix, Docker, GitLab, PostgreSQL, MySQL Workbench, Postman, Kubectl. **Workflow:** Git, Jira, Confluence, Zendesk, Okta. **Java:** OOD, Design Patterns, JUnit, JAX-RS, Mockito. **C#:** Unity. **Other Languages:** JavaScript, SQL, HTML, CSS, OCaml.