Kevin R. Paul

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EDUCATION

McGill University, Montréal QC   Sept 2022 – June 2025
Faculty of Science, Computer Science

FORMAL EXPERIENCE

IT Support Technician   April 2023 – August 2023
IAMGOLD Corporation   Montréal, QC
- Managed and prioritized a high volume of support tickets, ensuring timely response.
- Conducted system upgrades, installations, and configurations to optimize compatibility.
- Utilized tools such as **Active Directory**, ManageEngine ticketing system, **SCCM**, Office 365 Admin, and Windows Server 2016 to support **Windows 10** users on a Dell notebook fleet.
- Troubleshooted hardware and software issues, resolving them efficiently both remotely and in-person.
- Took lead of multiple **in-house projects**, contributing technical expertise and effective communication.
- Maintained accurate **documentation** of support activities, ensuring records for future reference.

Full-Stack Developer   November 2019 – July 2022
Renert Foundation   Calgary, AB
- Tasked with redesigning the library bookkeeping system, previously done using Excel sheets.
- Web interface for student interaction, **search**, **filtering**, and advanced **admin functions.**
- Written with Ruby on Rails, later rewritten in Python + Flask for infrastructure compliance.
- Managed **relational databases** using Rails and **PostgreSQL** with the ActiveRecord ORM.
- Maintained project for 3+ years as staff requested new features, reported **bugs**, and systems changes.
- Handled high throughput with nearly **1000 transactions/day** and an average of 10 requests/min.

Used: Ruby on Rails, Python, Flask, SQL, JavaScript

PROJECTS

RocketController │ *Ruby on Rails, jQuery, chartkick*   January 2020
- Telemetry dashboard for **high-altitude** weather balloons and model rockets.
- Capable of >**1000 requests/sec** throughput, as well as charting all received telemetry.
- **Decoder** for receiving data from **LoRa** (Lo-power Radio) as well as error-checking and **RSSI monitoring**.

Eeloo Programming Language | *C#, ANTLR4*, (Demo)   April 2018 – May 2021
- Created new programming language called Eeloo, aiming to allow **near-English syntax**.
- Language features included **aliased keywords**, extreme flexibility for program structure.
- Programmed in **C#** using **ANTLR** lexing/parsing framework

EXTRACURRICULARS

McGill Formula Electric (SAE)

Harness Sub-lead
- Oversaw the manufacturing of car's harness, including all the wiring, pinning, and routing.
- Dealt with other design teams to ensure cohesiveness, efficiency, and compatibility between.
- Tested cabling bundles on mock-ups of the car to ensure adequate performance.

Let's Talk Science Outreach Program

Volunteer Tutor
- Taught 5th graders coding with MIT Scratch
- Communicated effectively with simplified language to explain abstract ideas