

Kevin Mao

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Skills

Scripting: Python (Django), JavaScript, HTML, CSS (Bootstrap, Tailwind), Powershell, Bash, SQL (SQLite, Oracle SQL), MongoDB

Tools and Technologies: Git, Active Directory, Azure, Linux, Docker, Postman, ServiceNow,

Networking: SSH, TCP/IP, SNMP, Telnet, DNS

Experience

Network Services/Telecommunications Co-op Jan 2025 – Present
Toronto District School Board **Toronto, ON**

- Developed a **full-stack web tool** using **Python (Django)** and the Cisco Meraki API to facilitate remote monitoring and resets of wireless access points, optimizing field-tech workflows and saving hundreds of labor hours annually
- Implemented a removal workflow for a **full-stack network topology application**, focusing on maintaining **relational integrity** within complex parent-child switch hierarchies to reduce manual intervention and possibility of human error
- Installed and configured **Palo Alto firewall** devices, establishing **Access Control Lists (ACLs)** and security definitions to maintain network integrity
- Created an automated dashboard using **Google Apps Script** and data formulas to track telecommunications data and inactive phone lines, identifying \$100,000+ in annual cost savings

Credit Card Representative Feb 2022 – Jan 2023
CIBC **Toronto, ON**

- Proactively managed risk, addressed client concerns, and made tailored product recommendations. Frequently commended by name in client surveys for providing high-level technical support and resolving complex account discrepancies

Projects

Cook's Assistant Sept 2025 – Present

- Building a full-stack “Wiki” application to manage a library of cooking resources, using **MongoDB, Express, React.js, and Node.js**

KIDFARER July 2024 – Present

- Creating an interactive fiction game focused on environmental storytelling, set in early 2000s Toronto, using the **Godot** game engine and **GDScript**
- Designed a **text parser** that interprets and responds to a wide range of user commands and input, as well as a custom game syntax inspired by retro-games of old

Metropolitan Museum of Art (Met) Cataloguer Mar 2024 – June 2024

- Built a **full-stack web application** enabling users to search through and explore the Met’s open-access catalogue
- Developed backend features using **Node.js** and **MongoDB**, implementing **REST APIs** for safe and efficient data communication. Designed a responsive, user-friendly frontend interface using **React.js** and **Bootstrap**

Education

Computer Programming & Analysis – Advanced Diploma Jan. 2023 - Present

- Seneca Polytechnic | CGPA: 3.9