Sheel Patel

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EDUCATION

Toronto Metropolitan University (formerly Ryerson University) Toronto, ON
Bachelor of Science, Computer Science Co-op *Sep 2022 – Present*

- **Relevant Courses**: Data Structures & Algorithms, Operating Systems
- **Extra Curricular**: MOSS (Metropolitan Open Source Society), PACS (Practical Applications of Computer Science)

EXPERIENCE

Full Stack Developer Sept 2023 – Jun 2024
Practical Applications of Computer Science (TMU Club) *Toronto, ON*

- **Developed** and **launched** a faculty website with over 500 monthly views, increasing visibility for the Undergraduate Science Society of TMU and boosting engagement among students and faculty.
- Led the development of a food management application that **optimized event food usage**, reducing waste and increasing sustainability at club events, positively impacting over **500 students**.
- **Managed** the full project life-cycle, from concept to deployment, using **Kotlin**, **Firebase**, and **Android Studio**, ensuring seamless integration and delivering a successful product within the club's timeline.
- **Guided** a team of staff and volunteers, **fostering collaboration and clear communication**, resulting in timely project completion and a more engaged team.

Lifeguard May 2023 – Sept 2024
Canada's Wonderland *Toronto, ON*

- Demonstrated **commitment** by **ensuring safety** and enforcing pool regulations throughout each shift, **staying attentive** even during high-stress situations.
- Engaged in **continuous learning** through regular training drills and updates on safety protocols to maintain readiness for emergencies.
- Showcased **decision-making abilities** in quickly assessing and responding to potential hazards, administering first aid, and performing rescues when necessary.
- Fostered **relationship building** by effectively communicating with patrons and colleagues to create a welcoming and secure environment and exhibited **flexibility and adaptability** by adjusting to safety measures accordingly to handle diverse challenges.

PROJECTS

[Dance Club Management System](#) **Vue** | **Azure** | **Go** | **Docker** | **Git** | **GitHub**

- Developed a management system as a class assignment to enhance operational efficiency in a simulated dance club environment.
- Built the front-end with Vue.js, **creating a user-friendly interface** that **improved scheduling and attendance tracking efficiency by 40%** compared to previous manual methods.
- Employed **process mapping techniques** to streamline operations, testing alternative solutions to enhance efficiency, while utilizing **Go and SQLite3 for robust back-end development**, ensuring data accuracy and process compliance, while also leveraging automation for critical tasks such as scheduling.
- Implemented JWT for **secure authentication, demonstrating skills in dynamic access control** and session management.

[Task Tonic](#) **HTML** | **CSS** | **JavaScript**

- Developed TaskTonic, a simple and intuitive to-do app designed to boost productivity by allowing users to easily organize and manage tasks.
- Implemented key features such as **drag-and-drop functionality, task editing, and removal**, providing users with flexible control over their to-do lists and enhancing overall task management.
- Utilized local storage to ensure **persistent data management**, allowing users to retain their task information across sessions without the need for an external database.

TECHNICAL SKILLS

Computer Languages: Python, Java, C, C#, SQL, HTML, CSS, JavaScript/TypeScript, Lisp, Perl, PHP, Ruby
Tools & Frameworks: ReactJS, .NET, MySQL, Supabase, Tailwind CSS, Bootstrap, JQuery, PyQt
Developer Tools: Git/GitHub, Docker, Postman, Visual Studio/Code, Unix/Linux
Awards: Python Certification, Java Certification, Responsive Web Design Certification