MARK MACHADO

(647)-505-6931 | machmark@sheridancollege.ca | linkedin.com/in/machmark/

PROFILE

- Second-year student enrolled in a Software Development and Network Engineering program, bringing a strong foundation in technology and a passion for continuous learning.
- Motivated and proactive, with a commitment to applying academic knowledge to real-world challenges.
- Aiming to collaborate with industry professionals to drive innovation and support team objectives.
- Excellent problem-solving skills and attention to detail.
- Experienced in effectively communicating complex technical concepts.
- Strong interpersonal skills and ability to effectively convey ideas through written or verbal communication.
- Excellent time management and organizational skills with the ability to consistently present deliverables on time.
- Flexibility to work cross-functionally with different teams or independently.

TECHNICAL SKILLS

- **Programming Languages:** Java, C#, Python, C
- **Scripting Languages:** HTML5, CSS3, JavaScript, TypeScript, CSS, PHP, Bash Scripting and Shell Scripting
- **Operating Systems:** Microsoft Windows, Linux, Android OS, Mac OS
- **Libraries:** React.js
- **Relational Database Systems:** MySQL, MongoDB, PostgreSQL
- **Frameworks:** Spring Boot, AngularJS
- **Template Engines:** Thyme Leaf
- **Cloud Computing:** AWS, Azure
- **Networking:** TCP/IP networking, IPv4/v6, DHCP, DNS and networking basics
- **Tools:** Azure Data Studio, VS Code, Eclipse, NetBeans, Visual Paradigm, Microsoft Office (Word, Outlook, Excel, PowerPoint), Visio.io, JUnit Testing, GitHub, SDLC (Software Development Life Cycle), Agile, Waterfall, UML

EDUCATION

Sheridan College - Brampton, ON   (anticipated) December 2025
Software Development and Network Engineering, Advanced Diploma (Co-op Program)

- Completed courses such as Enterprise Java, Web Development, Cloud Computing, Database Management and currently navigating through courses such as Data Structures and Algorithms with C, Introduction to C#, Database Management 2, and Mobile Web Development.
- Completed a co-op semester gaining technical experience within a professional setting.
- Developed and maintained several side projects, applying concepts and skills learned in class such as a full-stack web application utilizing Java and Spring boot, a dynamic web application mainly utilizing JavaScript, and a personal website utilizing HTML, CSS and JavaScript.

ACADEMIC PROJECTS

Model of the Earth | *HTML, CSS, JavaScript*   May 2024 – June 2024
Sheridan College, Brampton, ON

- Utilized an existing WebGL model of the Earth and manipulated it using HTML, CSS, and JavaScript.

- Used JavaScript to draw the model on a canvas and create various geometries representing different features of the Earth.
- Manipulated properties of these geometries, such as radius, stack count, sector count, and height, to customize the visual representation.
- Implemented interactive features, allowing users to rotate, zoom, and explore the 3D model.
- Applied CSS for styling and to enhance the visual representation of the model.
- Ensured cross-browser compatibility and responsiveness for a seamless user experience across different devices.

User Database CRUD | *Java, Spring Boot, HTML, CSS, JavaScript, MySQL*   September 2023 – May 2024
Sheridan College, Brampton, ON
- Developed a user database system using HTML, CSS, JavaScript, MySQL, and Spring Boot.
- Implemented Spring Security to create signup and login features, allowing users to register as either admins or regular users with their respective privileges.
- Utilized H2 Database for temporary storage of login sessions and connected the system to a MySQL server for permanent data storage.
- As an admin, users can create, update, delete users; as regular users, they can update their own information.
- Designed and styled the frontend using HTML and CSS to ensure a user-friendly interface.
- Ensured secure and efficient user management with robust backend login in Spring Boot.

Personal Website | *HTML, CSS and JavaScript*   April 2024 – May 2024
Sheridan College, Brampton, ON
- Developed a personal website using HTML, CSS and JavaScript.
- Ensured the website is dynamic, responsive and user-friendly across various devices.
- Implemented a responsive design to ensure optimal viewing on desktops, tablets, and mobile devices.
- Applied advanced CSS techniques, including flexbox layouts, to create a visually appealing and organized layout.

WORK EXPERIENCE

Express Scripts Canada   Mississauga, ON
Helpdesk Technician   January 2024 - Present
- Deployed, repaired, and maintained end-user hardware, including desktop and laptops, ensuring optimal functionality and performance.
- Installed and configured software packages, including utilizing a centralized deployment suite (Altiris), to meet organizational requirements and enhance user productivity.
- Maintained accurate inventory records for both software and hardware assets, facilitating efficient management and tracking of resources.
- Collaborated with cross-functional teams within the IT department to provide comprehensive support to various departments and assist with various project tasks and deliverables.
- Assisted in ensuring security standards were upheld during equipment deployment and software installation processes, contributing to the organization's cybersecurity posture.
- Played a key role in two company-wide migration projects, assisting over 700 users with seamless transitions within a one-month period, through effective collaboration with colleagues to ensure smooth migration processes.
- Utilized PowerShell scripting to automate installation of software applications, streamlining deployment processes and increasing efficiency.