CAMILLE DIVISIA

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EDUCATION

University of Montreal (UdeM) — Montreal, QC
Bachelor of Science in Computer Science — *Jan. 2023 – Dec. 2024*

California State University, San Bernardino (CSUSB) — San Bernardino, CA
National Student Exchange Program - Notable Courses: Computer Networks, Machine Learning — *Aug. 2024 - Now*

SKILLS

Programming Languages: Typescript, Javascript, HTML/CSS, Python, SQL (MySQL, PostgreSQL, T-SQL), Java, C, Bash
Frameworks and Libraries: React.js, Express.js, Tailwind CSS, Bootstrap, pandas, NumPy, Matplotlib, JUnit, scikit-learn
Developer Tools: Git, VS Code, Node.js, Vite, MongoDB, SQL Server Management Studio, Linux/Unix
Non-Technical Skills:UI/UX, Trello, Figma,Miro, Collaboration, Teamwork, Communication, Problem Solving

EXPERIENCE

Apprenticeship - Software Developer — Jun. 2024 – Aug. 2024
Buildspace — *Remote*
- Participated in a 6 weeks program about building a prototype of our personal project: an SVG map-making tool
- Collaborated in a team of 3 developers to build a web app using the MERN Stack, implementing REST APIs for seamless data communication between the front end and back end.
- Integrated an SVG manipulation tool with React Hooks and DOM manipulation, while coordinating closely with teammates on backend development using MongoDB for data storage.
- Coordinated task distribution and issue tracking through GitHub, optimizing collaboration and streamlining project workflow. Led team efforts for deployment using Netlify, ensuring continuous delivery.

PROJECTS

Phishing Links Detection Experimental Project | *Python, scikit-learn* — Nov. 2024 – Dec. 2024
- Utilized a dataset from the UCI Machine Learning Repository to develop a phishing link detection system, focusing on feature analysis and preprocessing.
- Compared the performance of Decision Trees and Naive Bayes using scikit-learn to identify the most effective algorithm for phishing detection.

Supermarket Chain Inventory Database | *SQL Server, T-SQL* — Jan. 2024 – Apr. 2024
- Worked as part of a team to design, develop and optimize an SQL database to track supermarket chain deliveries, enhancing data retrieval efficiency.
- Collaborated with team members to create stored procedures and triggers, automating inventory updates and ensuring accurate alerts for low-stock deliveries.

Simple renting / booking website | *MERN - MongoDB, Express.js, React.js, Node.js,* — Jul. 2023 – Sep. 2023
- Created a user-friendly interface for managing rental properties by using React and Tailwind CSS, implementing REST APIs to handle data transactions between the client and server.
- Implemented secure user registration, login, and authentication using JWT and Express.js, ensuring proper integration with MongoDB for data storage.

Smart Waste Tracking System | *Java, Agile, JUnit* — Sep. 2022 – Dec. 2022
- Collaborated with a team to develop a CLI software in Java for tracking the state of household bins.
- Successfully passed 10 unit tests (100% success rate) using JUnit.

Simple Discord Chatbot | *Python, Flask* — Sep. 2021 – Jan. 2022
- Developed a discord bot that generates images and interact with people based on their input, using python, discord.py library and APIs
- Kept the bot online 24/7 using Flask and hosted it on Repl.it

HACKATHONS AND CONFERENCES

2024 ICPC Southern California Regional Contest | *Python* — Nov. 16th 2024
- Participated in the 2024 ICPC Southern California Regional Contest, gaining experience in team-based competitive programming and advanced problem-solving.

Morgan Stanley - Code to Give | *React, Node.js, JS, Figma, Miro, Trello* — Mar. 21st 2024 – Mar. 25th 2024
- Collaborated in a team to design and develop a functional website prototype for the LeChainon association.
- Led the UI/UX design process using Figma and Miro, focusing on accessibility and user experience for both resident and caregiver views.
- Coded core features of the website using React and Node.js, implementing authentication and user management.
- Presented the project and solutions to a jury, including senior Morgan Stanley employees and association members.