Nolan McAllister

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LinkedIn Github

Education

University of British Columbia Kelowna, BC
Bachelors of Science, Computer Science September 2019 - May 2024
- Dean's List Academic Achievement Award
- Capstone Project: MediHelp

Technical Skills

Languages	Tools	Skills	Database Management
HTML5, CSS3, Javascript, PHP, Python, R, C/C++, Cuda, C#, Java, GDScript	Git, Eclipse, MS Visual Studio, PyCharm, Excel, Tableau, Godot, Aseprite, Blender, Hammer	Web Development, Data Analysis, Networking, Database Management, Image Processing	MS Access, MySQL, Oracle, MongoDB

Projects

Discussion Forum Kelowna, BC
Full Stack Developer May 2024

Description:
Developed an online platform where users can register, create discussions, react, comment, and participate in various site features.

Technologies Used:
- Frontend: HTML5, CSS3, Javascript, JQuery
- Backend: Apache, PHP, MySQL

Key Achievements:
- Secure User Management: Implemented a secure registration and login system with comprehensive profile management to protect user data.
- Robust Admin Controls: Developed admin controls for efficient management of users, posts, and reactions, enhancing site moderation capabilities.
- Enhanced User Experience: Added functionalities such as activity tracking, collapsible threads, and mobile responsiveness to improve user engagement and accessibility.

Medihelp Kelowna, BC
Technical Lead May 2023

Description:
Led the development of a web application that recommends over-the-counter medicine based on personalized surveys, featuring an admin interface with advanced controls and logic.

Technologies Used:
- Frontend: HTML5, CSS3, Javascript
- Backend: Python, Fastapi, SQLite

Key Achievements:
- Seamless Data Integration: Integrated data and formulas from clients' Excel prototypes into the application, ensuring accurate and reliable recommendations.
- User-Centric Design: Developed a user-friendly, survey-based recommendation system that provides tailored advice based on individual needs.
- Comprehensive Admin Tools: Created an extensive admin page for managing activities and product information, streamlining backend operations.

Graceful   Kelowna, BC
Software Engineer   October 2022

Description:
Developed a web framework for building APIs with Python, inspired by FastAPI, built from scratch and utilizing Python type hints.

Technologies Used:
- Python, Sockets, Async

Key Achievements:
- Engineered a Optional Type-Based Framework: Designed a robust API framework leveraging Python type hints for enhanced code reliability and developer productivity.
- Enhanced Error Handling: Implemented efficient error handling and validation mechanisms, ensuring a seamless and robust user experience.
- Optimized Performance: Utilized async and sockets to create a high-performance, scalable architecture capable of handling concurrent requests efficiently.
- Modern and User-Friendly Design: Balanced modern design principles with ease of use, creating an intuitive framework that remains powerful enough to fully exploit Python's capabilities.

Professional Experience

Grey Eagle Resort & Casino   Calgary, AB
Usher   September 2023 - January 2024

- Handled duties adeptly, efficiently resolving patron issues and collaborating with the team for seamless operations.

College Pro   Calgary, AB
Regional Manager / Window Technician   May 2022 - September 2022

- Supervised a team of 4 employees; consistently achieving and surpassing performance targets.
- Provided continuous support and guidance to team members, delivering coaching and constructive feedback to enhance their skills and achieve performance objectives.

Shoppers Drug Mart   Calgary, AB
Cashier / Sales Associate   July 2021 - September 2021

- Exhibited outstanding customer service skills by warmly greeting customers, promptly addressing inquiries, and effectively resolving complaints with professionalism and a friendly demeanor.
- Skilled in managing exchanges and returns, adhering to established procedures to uphold customer satisfaction while preserving the integrity of the store's policies.

Awards

- Advanced Computer Science Academic Achievement, Bowness High School   June 2019
- Most Valuable Student, Bowness High School   May 2018
- Pride & Excellence in intermediate Computer Science, Bowness High School   December 2017