DYLAN BORCHERT

Calgary, AB, Canada

dylanborchert.ca
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EDUCATION

Mount Royal University, Calgary, AB   September 2018 – December 2023
Bachelor of Computer Information Systems

- *Minor in Finance (Cumulative GPA: 3.7 / 4.0)*
- VP Finance of Computing Alliance of Mount Royal University.
- Coursework: Algorithms & Data Structures, Web Development, Software Development & Testing, System Administration, Networking, Project Management, System Analysis, ERD models, SDLC, CI & CD, and UX/UI design.

WORK EXPERIENCE

Canadian Natural Resources Limited (CNRL), Fort McMurray, AB   January 2023 – August 2023
Systems Developer Student

- Developed an automated document compiler in MS Excel and PowerShell, transforming a 3-day manual process into a 20-minute task while ensuring accuracy and sustainability.
- Utilized Power BI to create a dashboard using historical data to accurately predict the required materials for sustaining capital, leading to savings of ~2 million dollars.
- Collaborated with engineers, and material management team to develop MS excel, and MS Access tools that increased productivity of the team by 75%.
- Demonstrated strong problem-solving skills as the sole developer, resolving complex issues efficiently with limited tools.

SIACharts, Calgary, AB   May 2022 – August 2022
Software Developer Intern

- Developed an application in C# to populate stock data for over 1,500+ stocks while ensuring accurate stock price with metrics.
- Updated the stock chart library Highcharts utilizing JavaScript to implement new features that enabled better user experience by making stock chart annotations dynamic with time.
- Collaborated with business leadership for refining requirement definition and participated in daily Scrum and sprint planning with fellow developers.

Mount Royal University, Calgary, AB   June 2021 – September 2021
Computer Simulation Developer Co-op Student

- Enhanced 100+ physics simulations for modern web browsers using HTML5, CSS, and JavaScript, benefiting 500+ students in the science and technology department.
- Collaborated with developers and the project manager, ensuring understanding and comprehension of expert-level concepts.

Melcor YMCA & Shane Homes YMCA, Calgary, AB   September 2016 – October 2020
Head Lifeguard & Swim Instructor

PROJECTS

Personal Portfolio | dylanborchert.ca

- Implemented a contact page featuring a honeypot to effectively prevent bot attacks, enhancing site security and protection.
- Deployed a Next.js application, leveraging the Strapi Content Management System (CMS) for dynamic content updates and real-time blog post creation, enhancing content flexibility and website interactivity.
- Utilized, HTML5, CSS, Maria DB, Tailwind CSS, Strapi CMS, Next.js, and Networking.

Unraid Home Server

- Implemented a reverse proxy (Traefik) and a community-powered IDS/IPS system (CrowdSec) to provide multiple layers of protection against malicious clients for services that are exposed to the internet.
- Deployed multiple virtual machines and various docker containers for databases, media management, networking, and personal cloud storage.
- Utilized Unix System Administration, Network Management, Network Security, Docker, and Unraid.

TECHNICAL SKILLS

- Proficient: JavaScript (React.js, Next.js, Node.js), CSS (Tailwind, Bootstrap 5), HTML5, Networking, Microsoft Office, Git, SQL, Java, and Python
- Fluent: noSQL, C#, C, .NET, Powershell, Bash, Shell, Docker, Microsoft Azure, and Power BI