DYLAN BORCHERT

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Key Highlights

- Driven by curiosity to learn and solve problems by adopting new concepts and ideas in projects as seen through the CAMRU Website, Unraid Server, and Raspberry Pi Miro-Computer.
- Strong interpersonal and leadership skills attained through various group projects, customer service, teaching swim lessons and training staff.
- Collaborated with developers and the project manager for requirement gathering, while ensuring understanding and comprehension of expert level concepts as a Developer.

Technical Skills

- Proficient in: Java, git, HTML5, CSS, JavaScript (React.js, Node.js), PHP, MS Word, and MS Excel
- Experienced in: C#, .NET, C, Python, SQL, Linux Shell, Bash, Azure DevOps, MS Visio, and MS Project

Education

Mount Royal University; Calgary, AB   September 2018 – Present
Bachelor of Computer Information Systems, Minor in Finance (Cumulative GPA: 3.6 / 4.0)

- Programming Coursework: Algorithms & Data Structures, Software Development & Testing, and Networking.
- IS Coursework: Project Management, System Analysis, ERD models, SDLC, CI & CD, and financial models.

Work Experience

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

- Built an application in C# that would insert missing stock data for over 1500+ stocks while ensuring quality data with various metrics.
- Updated the stock chart library Highcharts implementing new features that allow stock chart annotations to be more dynamic with change in time.
- Collaborated with business leadership for requirements gathering, and participated in daily Scrum and sprint planning with fellow developers

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

- Updated over 100 physics simulations to run in the modern web browser, to later be used by over 500 students in the science and technology department.
- Converted outdated Java applets, utilizing HTML5, CSS, JavaScript, and Git repository management.
- Collaborated with developers and the project manager, ensuring understanding and comprehension of expert level concepts.

Archocell; Hamilton, ON – *Remote*
Software Development Team – Web Development   February 2021 – September 2021

- Optimised the existing company website by implementing enhancements and fixing various bugs that significantly improved web functionality and speed.
- Improved the company website utilizing CSS, HTML, JavaScript, and PHP to optimize UX & UI design.
- Participated in weekly software development team meetings to brainstorm new features and ideas and review delegated tasks.

Melcor YMCA & Shane Homes YMCA; Calgary, AB

Head Lifeguard & Swim Instructor   September 2016 – October 2020

- Developed training initiatives for 100+ staff **and** performed on-boarding for new staff to ensure guards have sufficient understanding of policies & procedures.
- Took lead in emergency response procedures during emergencies in the facility, making time-sensitive decisions swiftly in a high-pressure environment.
- Provided quality swim lessons to children and adults with excellent knowledge of YMCA curriculum; used positive reinforcement and built purposeful relationships with children and their parents.

Volunteer Experience

Computing Alliance of Mount Royal University (CAMRU); Calgary, AB

VP Finance   November 2021 – Present

- Developed and over saw the operating budgets to ensure sufficient funding for club initiatives.
- Managed financial recording keeping ensuring accurate budgeting by tracking invoices and receipts.

Projects

CAMRU Website | camru.ca

- Developed a full stack react app for the CAMRU club website that enabled students to sign up for the club mailing list and view upcoming events to sign up for.
- Deployed node.js app using express.js for the site to implement multiple APIs that allow to display upcoming events from Eventbrite, live discord data, etc.
- Implemented front and backend ReCAPTCHA verification to solve the problem of bots using our contact page.
- Utilized HTML5, CSS, JavaScript (React.js, Node.js), MariaDB, cPanel, and git repository management.

Unraid Home Server

- Deployed macOS, and Ubuntu virtual machines to serve as a test environment for projects.
- Utilized as a network attached storge device to store personal and families' files that use a parity drive to protect against data loss and drive failures.
- Deployed multiple docker containers like Plex Media Server to allow for media to be managed on its own
- Utilized Unix System Administration, Network Management, and Unraid.

Raspberry Pi Micro Computer
Home VPN

- Deployed a home VPN server using OpenVPN on a raspberry pi with Ubuntu to allow remote access to devices on the home network.
- Enabled secure private access to Unraid SMB shares without having share the files to the public internet.
- Utilized Unix System Administration, Network Management.

Printing Server

- Installed common UNIX printing system (cups) on a Raspberry Pi micro-computer enabling an old printer to be used wirelessly from multiple devices and platforms.
- Utilized Unix System Administration, Network Management, and IoT.