

BRYCE WILLIAM BAKER

Systems Management, Software, Web Design and Tech Support

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EDUCATION:

Bachelor of Computer Information Systems (December 2020)

Mount Royal University (Calgary, Alberta)

- Programming:** Java, C++, Python, React Native, parsing, data structures, code testing, basic scripting in Bash and assessment and implementation of scrum/agile, as well as waterfall development methodologies and General Full Stack Development.
- Database:** MySQL database development, querying and modification, Oracle web, Google Cloud API and database development and implementation
- Web Dev:** HTML, PHP, CSS, JavaScript, jQuery, Node.js implementation in web pages, implementation of external APIs. Implementation and maintenance of hosted standalone websites and WordPress CMS sites.
- Network:** User management and administration in Linux and Windows. Network and system security principles and best practices. Experience building, troubleshooting and repairing computer systems
- Business Software:** Control and collaboration through Git and Slack. Excel, Word and PowerPoint for documentation and presentation for academic and business purposes, Adobe Photoshop and Premiere for video and photo editing, Google Docs for collaboration on academic and business papers, Axure and Figma for prototyping. Writing code with Visual Studio.

EXPERIENCE:

IT SERVICE DESK

Mount Royal University

August-December 2019

Calgary, Alberta

- Promote and maintain technical processes, procedures and policies for responsive technical-support for clients;
- Triage and execution of in-person and ticket-based requests for support and assistance from students and staff;
- Consultation and collaboration for development of organizational technologies to advise on impact of client community.

ACADEMIC PROJECT EXPERIENCE: Systems Analysis and Project Management

- Collaborative team venture to establish client solution and user requirements for corporate-setting project;
- Support and development of project charter and setting milestones based on the needs of the project;
- Advice and implementation of business software to manage project timeline, resources, and targets;
- Administered independent and team-based analysis of potential project plans and solutions to optimize outcomes;
- Proposal and project recommendations to client, including hardcopy report on strengths and risk analysis of solution
- Team coordination and accountability for design, prototype and development of mobile application to specifications

PROGRAMMING:

- Successful creation of multiple object-oriented programming assignments in Java, React Native, MySQL, React Native, and web development using HTML, JavaScript, jQuery, PHP, WordPress, and SQL according to strict specifications;
- Design, implementation, and management of MySQL databases to view, edit, add, and document data;
- Dynamic code to accept and assess user input, and assess it for the purposes of modifying output;
- Implemented error handlers and unit testing to handle and test unexpected program states or user input;
- Pivotal contributions to large-scale programming projects with fellow students to assist and construct applications;
- Implemented data structures, libraries, and optimization techniques to handle data management needs;
- Employed Node.js in Google Cloud environments to develop, implement, and deploy external APIs and databases according to project parameters.

USER EXPERIENCE DESIGN:

- Development and implementation of attractive and seamless user interface for prototype application
- Conducted research and user feedback on software trends, needs to produce responsive prototype enhancements
- Achieved demonstration-ready prototypes using applications such as Axure and Figma