

BRIAN QUACH

SOFTWARE ENGINEER

PROFILE

A result-driven individual who strives to meet deadlines and exceed expectations. An extremely quick learner who loves to challenge himself through exposure to new and unfamiliar technologies.

CONTACT

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LANGUAGES

Advanced

NodeJS | Javascript | Java
Python | C#

Intermediate

C | Bash | Powershell | HTML | CSS

Experienced

Matlab | MIPS Assembly
PHP | Visual Basic

TECHNOLOGIES

Web Development

ExpressJS | Bootstrap

Game Development

Unity 5 | Monodevelop | Phaser.io

Media

Adobe Photoshop | Adobe Flash
Adobe Illustrator | Sony Vegas Pro

Version Control

Git | Subversion | Microsoft TFS

Database

Microsoft SQL Server | MySQL
MongoDB | RedisDB

Business Intelligence

Crystal Reports | SSRS | SSIS

EDUCATION

HONOURS BACHELOR OF SCIENCE | University of Toronto Scarborough

Specialist in Computer Science (Co-op) | 2014-2019

Software Engineering Stream

WORK EXPERIENCE

PROGRAMMER ANALYST CO-OP | Canadian Tire Corporation

September 2018 - Present | Toronto, ON

- Designed and developed PoC for an executive dashboard using Grafana, Graphite, Node.JS and Bash Scripts used to monitor application server status
- Developed custom web pages with complex reporting functionality on QuickBase
- Implemented solutions for log analysis of UAT and production systems

CO-OP APPLICATION DEVELOPER | Canadian Imperial Bank of Commerce

January 2017 - August 2017 | Toronto, ON

- Developed and maintained complex financial reports using Crystal Reports 10
- Developed SSRS reports for the Crystal Reports Migration project and supported QA testing
- Created SSIS packages to import data from Oracle to MS SQL Server databases
- Designed database procedures and views to enhance report functionality

CO-OP WEB DEVELOPER | Center for Addiction and Mental Health

May 2016 - August 2016 | Toronto, ON

- Developed customized web pages for internal mailing list and SharePoint team site
- Analyzed existing CAMH website for user interface and architecture flaws, making recommendations for improved usability and appearance
- Had a role in the Digital Strategy Team with a focus on unifying CAMH's online branding and social media presence

TEST ANALYST CO-OP | Canadian Imperial Bank of Commerce

September 2015 - December 2015 | Toronto, ON

- Wrote detailed test cases to be executed by testers using HP ALM
- Determined optimal black-box testing approach for full feature coverage
- Suggested potential improvements to UI to enhance user experience

PROJECTS

Me.CLI

- Interactive command line themed personal website built in Node.JS
- Pulls profile from MongoDB backend for up-to-date data

CIBC Secure

- Proof of Concept for a credit card with integrated Bluetooth Security Features
- Placed second and won People's Choice at CIBC ReHacktor

StatGrind

- Web based homework delivery platform built on PHP and MySQL
- Provides instant, automarked results and teacher feedback
- Built with gamification features such as achievements, an XP system, and a leaderboard

Rhythm Crawl

- Peer-to-peer multiplayer rhythm based game built on Node.JS, Socket.io and Phaser.io

Lego NXT Soccerbot

- Lego Mindstorms robot with AI designed for TVI soccer matches
- Used webcam and onboard sensors to navigate playing field