

Brian Tran

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SKILLS

HTML • CSS • Bootstrap • UI Design • JavaScript • jQuery
C# • ASP.NET Core / Web Forms • WCF • LINQ • Entity Framework • SQL Server • IIS • Postman
C++ • Android • Git • Data structures and algorithms • Object-oriented programming • Agile development

EXPERIENCE

Full-Stack Web Developer

January – April 2017

VIQ Solutions | Markham, ON

- Built and deployed an ASP.NET Core Web API, which allowed a mobile app to control desktop recording software
- Created a custom MPEG-DASH video player with JavaScript Media Source Extensions to reduce bandwidth costs
- Developed features for web and mobile using ASP.NET web forms, WCF services, and SQL stored procedures
- Researched, presented, and implemented a new back-end solution for the existing product ecosystem
- Wrote detailed documentation for the entire previously-undocumented web portal database
- Demoed products to potential clients with the developer and sales teams to secure high-value contracts

Web Developer

May – August 2016

Intellisoft Development Inc. | Toronto, ON

- Rebuilt the course search tool using HTML, CSS, jQuery, and ASP.NET with a CMS to return results over **200x faster**
- Implemented custom user analytics on the search tool using an SQL server, tracking over **1 million** visits per year
- Collected page visit data to display the most popular related courses, resulting in increased enrollment volume
- Collaborated effectively with teammates and clients to implement a site-wide cart for adding and comparing courses
- Performed cross-browser testing and ensured AODA compliancy to prepare projects for deployment

PROJECTS

Cartastic | Node.js, Swift

- Worked on a team at MSFTHacks 2017 to build an app that adds ingredient photos to a cart and provides recipes
- Built with a Node.js backend that passed formatted data from Microsoft's Computer Vision API to the mobile app

CUTC Technology | HTML, CSS, jQuery

- Volunteered as the Technology Lead for the 2017 Canadian Undergraduate Technology Conference
- Built the CUTC 2017 website and handled all AV equipment communications for the event

Course Search Tool | HTML, CSS, jQuery

- Built and deployed a responsive course discovery page for George Brown College using HTML, CSS, and jQuery
- Loaded course and faculty data from an Ektron CMS in an ASP.NET code-behind file
- Generated a course data JSON file and retrieved it by AJAX request to use for filtering and searching
- Constructed a basic autocomplete algorithm that suggests courses as the user types

Course Comparison Cart | ASP.NET, jQuery

- Developed a shopping cart-like feature using ASP.NET and jQuery to add and remove college courses
- Utilized both sessions and local storage for redundancy in storing course information that populated the cart pop-up
- Wrote a Javascript solution to work around back/forward caches to ensure cart data was up-to-date at all times

Pic Processor | C#

- Built an image processor that performs kernel convolutions to apply effects such as darken, scale, flip, and blur

EDUCATION

University of Waterloo | B.A.Sc. Computer Engineering

September 2015 – April 2020

- Placed on the Dean's Honours List for the Winter 2016 term