Brian Tran

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SKILLS

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

EXPERIENCE

Full-Stack Web Developer
January 2017 – April 2017
VIQ Solutions | Markham, ON

- Built and **deployed** a RESTful ASP.NET Core Web API to allow for control of desktop software from a mobile app
- 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, designed, and implemented a new **back-end solution** for the existing audio/video product ecosystem
- Wrote detailed documentation for the entire, previously-undocumented, web portal database
- Demoed products to potential clients with the sales team to secure high-value contracts worth over **$400k**

Web Developer
May 2016 – 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

CUTC Technology Lead | HTML, CSS, jQuery

- Volunteered as **Technology Lead** for the 2017 Canadian Undergraduate Technology Conference, with 100+ attendees
- Coordinated with 20+ team members to organize CUTC 2017, build the website, and handle AV requirements

Cartastic | Node.js, Swift

- Worked on a team at MSFTHacks 2017 to build an app that adds food photos to a cart and provides relevant recipes
- Used Node.js to pass formatted JSON data from Microsoft's **Computer Vision API** and a recipe API to the mobile app

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 suggested courses as the user typed

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