Clement Hoang

CONTACT

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EDUCATION

UNIVERSITY OF WATERLOO
CANDIDATE FOR BACHELOR OF
SOFTWARE ENGINEERING
Waterloo, ON

SKILLS AND EXPERTISE

Frontend Web Development
Angular.js • Bootstrap • HTML
CSS • Javascript • jQuery
Backend Web Development
Node.js • PHP • ASP.NET MVC
MySQL • MongoDB
Programming and Development
C# • Java • C++ • C
Python • Android
Scripting Languages
Bash • Windows Shell
Version Control
Git • Team Foundation Server
Tools
Visual Studio • Blend • Eclipse
Linux • Vim • Sublime Text
Atom • IIS • Apache

LANGUAGES

English • Cantonese

AWARDS

2014 Dean's List
2013 President's Scholarship
2011 HB Blizzard Computer Science
Award
2010 Top 64 in Junior CCC Stage 1

INTERESTS

badminton • food • anime
gaming • scripting • manga
table tennis • hackathons
bubble tea

EXPERIENCE

TEN THOUSAND COFFEES | SOFTWARE DEVELOPER
January 2015 - now | Toronto, ON
- Implemented Mandrill API calls to send transactional and digest emails to users via templating, with analytics tracking by Segment.io

OBJECTIFI | .NET SOFTWARE DEVELOPER
April 2014 - August 2014 | North York, ON
- Enhanced robustness of financial software used by major banking corporations worldwide by fixing database and UI defects
- Programmed backend and frontend of a software configuration interface using ASP.NET MVC and SignalR
- Developed a proprietary regression tester and browser automator that detected software errors during continuous integration using Selenium WebDriver and C#
- Automated daily tasks for server updates, builds, and mainteance by writing Batch and Powershell scripts

PROJECTS

FAVORS | Sept 2014 - Present
Built a social experiment to standardize the value of a favour for Hack The North. Favors is an application on the Android platform that allows Facebook users to exchange favours with one another. Worked with a team throughout the development process.
Used: Java, Android API, Python, Flask framework, Facebook SDK for Android, MySQL.

PERSONAL BLOG | Aug 2014 – Present
Created a responsive and mobile-friendly personal blog that is hosted on GitHub Pages. The blog is made of static pages generated with Jekyll, and uses GitHub as a CMS.
Used: Jekyll, Liquid, HTML, CSS, RedCarpet Markdown, Git.

BROWSER UI AUTOMATION TOOL | May 2014 – Sept 2014
Built a fully-featured regression testing suite that performs customizable regression testing for one of the world's largest financial technology company. The browser automation tool uses browser actions to simulate user functionality.
- Eliminated race conditions and multithreading issues on browser tests
- Implemented a lightweight XML database to improve performance
- Documented the usage instructions and key modules of the design in Markdown.
Used: ASP.NET MVC 5, Selenium WebDriver, C#, Twitter Bootstrap, Markdown.

BCQUEUE | Jul 2013 – Oct 2013
Worked with a designer to create a fully featured badminton club management program for Windows that allows club managers to effectively organize court usage and manager club members.
- Improved workflow by using MVVM paradigm
- Implemented key features such as the player databank, asynchronous court timers, a real-time queuing system, and parts of the user interface.
Used: WPF, C#, .NET 4.0, XAML, Blend.