

Clement Hoang

2A Software Engineer
<http://clementhoang.net>
c8hoang@uwaterloo.ca | 647.871.8336

EDUCATION

UNIVERSITY OF WATERLOO

CANDIDATE FOR BACHELOR OF
SOFTWARE ENGINEERING
Waterloo, ON

LINKS

<https://github.com/Clemmy>
<http://ca.linkedin.com/in/clementhoang/>
<https://www.blog.clementhoang.net>

SKILLS AND EXPERTISE

Frontend Web Development

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

COURSEWORK

UNDERGRADUATE

Programming Principles

Data Abstraction and Implementation

Logic and Computation

Digital Computers

Foundations of Sequential Programs

Statistics for Software Engineering

LANGUAGES

English • Cantonese

INTERESTS

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

EXPERIENCE

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 maintenance 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.

AWARDS

2014	Dean's List	University of Waterloo
2013	President's Scholarship	University of Waterloo
2011	HB Blizzard Computer Science Award	Harold M. Brathwaite S.S.
2010	Top 64 in Junior CCC Stage 1	University of Waterloo