

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
- Switched email verification architecture from manually generated bcrypt verification tokens to JWT to make it stateless
- Integrated an open source scheduling system into the platform to improve user experience
- Implemented group messaging feature by redesigning a large portion of the schema and migrating the current data to use the new schema
- Added internationalization support for the entire application with angular-translate

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

HEARTHNET | Jan 2015 - Present

Built a social platform to connect Hearthstone players for UofTHacks. Hearthnet features user authentication, keyword search, and beautiful design.

- Designed and reworked schema to support the ever-growing requirements of the application
- Made the site aesthetically pleasing and responsive using Sass with Bourbon and Neat.

Used: Meteor, Sass, Bourbon, Neat, MongoDB.

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.