

# TONY TIAN QI WEI

Email: [tony.wei282@gmail.com](mailto:tony.wei282@gmail.com)

<http://www.tonytwei.com>

---

## Skills

- ▶ Five years of experience in programming in **C#** developed through self study, work term experience, and programming courses in university
- ▶ Three years of experience in developing **ASP.NET** (MVC and **WebForms**) applications with **RESTful WebAPI**
- ▶ Three years of experience with **JavaScript** (**jQuery**, **AngularJS**, **ReactJS**)
- ▶ Three years of experience in working with **Microsoft SQL Server**, **Oracle**, **MongoDB**, **MySQL**, **Microsoft Access** databases (proficient with SQL queries)
- ▶ Two years of experience with developing **Java** web applications using **Eclipse** and **NetBeans IDE**
- ▶ Three years of experience in web design (desktop and mobile) using **HTML5** and **Responsive Bootstrap CSS**
- ▶ Four months of experience in developing **Silverlight** applications using **C#** and **XAML** in Microsoft Visual Studio
- ▶ Four months of experience with **NodeJS** and **ExpressJS** server
- ▶ One year of experience in programming in **C++** in **Microsoft Visual Studio**
- ▶ One year of experience with developing native **Android** and **iOS** mobile applications (Java and **Objective-C**)
- ▶ Bilingual in English and Mandarin Chinese

## Projects

- ▶ PhotoShare – <http://www.photos.tonytwei.com>. Photo sharing/competition web application built on Java EE stack using JSP pages and Java on Tomcat 7 server, with MySQL for data persistence. Uses jQuery, ReactJS, Bootstrap as part of frontend. Integrates various APIs such as Facebook Login, Stripe, PayPal, and Dropbox. Hosted using OpenShift web application hosting service on personal domain. Attracted 200 online users in a span of 6 months.
- ▶ Personal website – <http://www.tonytwei.com>. Built using HTML5, CSS, Javascript and various jQuery libraries.
- ▶ Other projects can be found on <http://www.github.com/ttw282>.

## Education

**University of Waterloo – Bachelor's Degree in Computer Engineering, Honours, Co-operative Program, Waterloo, ON (September 2011 – June 2016)**

- Received University of Waterloo President's Entrance Scholarship
- Relevant Courses: Software Design/Architectures, Database Systems, Cooperative/Adaptive Algorithms, Programming for Performance, Computer Security, Operating Systems, Compilers

## Work Experience

**Digiflare – Interactive Media Developer** (September 2015 – December 2015)

Digiflare Toronto (Suite 302, 14 Duncan Street, Toronto, ON M5H 3G8)

- Implemented new client-requested features such as JSON feed parsers and switches between production and testing environments on Android and iOS platforms for a mobile media and news app.
- Fixed critical UI, performance, and logic bugs for iOS, Android, and Windows Phone applications.
- Developed features such as turbo-scrolling on a Roku TV app in BrightScript 3 weeks ahead of schedule

Reference: Ty Rozak: 416-477-4845

**EDP Software- Software Developer** (September 2014 – December 2014)

EDP Software Vancouver (Unit 315, 55 Water Street, Vancouver, BC V6B 1A1)

- Redesigned the desktop web application for employee scheduling and implemented from scratch a mobile-responsive version of it on the ASP.NET framework. Utilized AngularJS, C#, ASP.NET RESTful WebAPI, and

Responsive Bootstrap as the main foundations for development. Modules revamped include a group selector page, main employee dashboard, and schedule (Used ui-calendar control to achieve mobile user-friendliness).

Reference: Justin Coughlin: 778-960-6809

#### **IBI Group - Software Developer** (January 2014 – April 2014)

IBI Group Toronto (5th Floor, 230 Richmond Street West, Toronto, ON M5V 1V6)

- Using agile methodologies, designed and built an ASP.NET MVC4 web application using technologies such as AngularJS, jQuery, Twitter Bootstrap, HTML5. The application (Traffic Operator Quality Control) allowed authenticated users to review traffic events stored in a remote database and evaluate traffic operators' performance. Evaluation reports are generated from user's evaluation and chronology reports are retrieved from traffic event data.
- MongoDB was used as a local database to store saved evaluations. Microsoft SQL Server was used to examine traffic event tables. Also used WebAPI to communicate to server-side code and AngularJS and ASP.NET routing for page navigation.

Reference: David Ashton: 416-596-1930

#### **Bank of America Merrill Lynch - .NET/Database Developer** (May 2013 – August 2013)

Bank of America Merrill Lynch Toronto (250 Yonge Street, Suite 3400, Toronto, ON M5B 2L7)

- Designed and implemented from scratch an ASP.NET web application - a custom query builder that allowed users to construct queries to the company's Oracle database server through the user interface. User-built queries can be saved on each user's profile and can be later edited, deleted, or generated as a report. A Microsoft Access database was used to maintain these saved queries.
- Performed coding in C# (ASP.NET with AJAX Toolkit), Javascript, jQuery, and used SQL to select, update, and delete entries from the database servers

Reference: Jatinder Behal: 416-369-8191

#### **NexJ Systems - Client Quality Assurance Analyst** (September 2012 – December 2012)

NexJ Systems Toronto (10 York Mills Road, Suite 700, Toronto, ON M2P 2G4)

- Created, updated, and executed test plans for software applications that had to be delivered for various financial and health institutions
- Tested functionality of syncing using Microsoft Exchange in Outlook to NexJ applications
- Cooperated with application developers in identifying potential software defects and logged them in the database
- Worked with test scripts that performed automated software testing in identifying HTML components in the UI and performed the relevant actions on those elements in order to test their functionality

Reference: Claudia Astorquiza: 416-222-5611

#### **Harris Canada Systems - User Experience Developer** (January 2012 – April 2012)

Harris Canada Systems Waterloo (26 Peppler Street, Waterloo, ON N2J 2G8)

- Developed Microsoft Silverlight applications using C# and XAML in Visual Studio 2010
- Implemented new features for a LogViewer for viewing error events during debugging of programs
- Designed and implemented from scratch a Web Host Configuration widget that allowed for configuration entries to be added, edited, deleted and saved to the company's server
- Created a unit test using C++ that allowed the LogViewer to log events with adjustable frequency of events
- Delivered a "New Features of Silverlight 5" presentation for the company that included self-designed projects which showcased the new features of Silverlight 5

Reference: Matt Campbell: 416-445-9640