

# TONY TIAN QI WEI

4A Computer Engineering

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## Skills

- ▶ Three years of experience in programming in C# developed through self study, work term experience, and programming courses in university
- ▶ Two years of experience in developing Microsoft ASP.NET (MVC and WebForms) applications in C#
- ▶ Two years of experience with JavaScript (jQuery, AngularJS) and AJAX Toolkit for ASP.NET
- ▶ Two years of experience in working with Microsoft SQL Server, Oracle, MongoDB, MySQL, Microsoft Access databases (proficient with SQL queries)
- ▶ One year of experience in web design (desktop and mobile) using HTML5 and Twitter Bootstrap CSS styling
- ▶ Four months of experience in developing Silverlight applications using C# and XAML in Microsoft Visual Studio
- ▶ One year of experience in programming in C++ in Microsoft Visual Studio
- ▶ One year of experience with Java using Eclipse and NetBeans IDE
- ▶ Bilingual in English and Mandarin Chinese
- ▶ Two years of work experience (2012-2014) and five years of volunteer experience (2006 – 2011)
- ▶ Proficient with office and presentation applications such as Microsoft Word, Excel, PowerPoint, Outlook

## Education

**University of Waterloo – Candidate for Bachelor's Degree in Computer Engineering Co-operative Program, Waterloo, ON (September 2011 - present)**

- Received University of Waterloo President's Entrance Scholarship
- Relevant Courses: Software Design/Architectures, Cooperative/Adaptive Algorithms, Computer Security

**Richmond Secondary School – International Baccalaureate (IB) Diploma Program, Richmond, BC (September 2009 - June 2011)**

- Principal's Honour Roll and Chemistry award for top grade in the class (grades 11 and 12)

## Work Experience

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

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

- Redesigned and coded from scratch the Employee version of the scheduling web application and tailored it primarily towards a mobile audience. Utilized Bootstrap 3 and AngularJS 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
- Utilized the Scrum methodology of a software life cycle
- 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 defects 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

**Activities and Interests**

- ▶ Bronze Cross and Medallion CPR, Minoru Aquatic Centre, Richmond, BC (July 2008)
- ▶ Richmond Rapids Swimming Club, Watermania Aquatic Centre, Richmond, BC (January 2007 – October 2009)
- ▶ Enjoy surfing the web, playing chess, jogging outdoors, and playing table tennis
- ▶ Reach For the Top High School Trivia Team (September 2010 – April 2011)
  - Encouraged participation amongst newer members
  - Led team to provincial tournament
  - Finished 12<sup>th</sup> in the province