MATTHEW YU

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TECHNICAL SUMMARY

Languages   C, C++, Java, JavaScript, LaTeX, VBA, SQL. Some Objective-C, Swift.

Tools   Eclipse, MS SQL Server, bash shell & tools, Git, Xcode & Interface Builder, GWT. Some iOS, Android.

Workplace   Demonstrated adaptability, quick learning, critical thinking, and collaborative abilities.

PROFESSIONAL EXPERIENCE

Software Engineer   September 2015 – December 2015
at Ultimate Software, Toronto, Ontario

- **Tools & Tech** — Java, Eclipse / Spring Tool Suite, Google Web Toolkit, Android, MSSQL, SVN, Git.
- Implemented new remote diagnostics features to improve the team's ability to diagnose and resolve client environment issues.
- Resolved a tricky long-standing issue with client on-site Android tablet deployments which was causing degrading performance.
- Implemented fixes and changes throughout the Java back-end and MS SQL database, GWT front-end, and Android app to improve the team's product and the customer's experience.

Application Developer   May 2014 – August 2014, January 2015 – April 2015
at Toronto Transit Commission, Toronto, Ontario

- **Tools & Tech** — MS Access / Excel with VB, C# ASP.NET, Crystal Reports, Oracle SQL Developer, Visual Studio, Team Foundation Server.
- Developed, documented, and implemented solutions using Access/Excel with VBA, C# ASP.NET, and Oracle databases to streamline the team's clients' workflows.
- Worked with the team's clients to determine functional requirements for new applications and changes.
- Collaborated with team to resolve mission-critical application issues and minimize downtime.

Quality Assurance Analyst   September 2013 – December 2013
at NexJ Systems Inc., Toronto, Ontario

- Created tool using Excel and VBA to analyze and prepare QA Department metrics for presentation in weekly executive team status updates.
- Maintained automated functional testing scripts and executed manual test plans.

EDUCATION

Candidate for Bachelor of Computer Science   September 2012 – Present
Honours Computer Science, University of Waterloo, Waterloo, Ontario

Current Term: **4A** (Term 7 of 8)

Notable Courses

- **Object-Oriented Software Development** — studied regular expressions, bash scripting, design patterns, and object-oriented programming concepts in C++.
- **Algorithms** — studied algorithm design and paradigms (e.g., divide-and-conquer, dynamic programming), efficiency analysis, graphs, and various NP problems and reductions.
- **Introduction to Database Management** — studied E-R modelling, SQL, database design practices and schema normalization, and database efficiency.
- **User Interfaces** — studied UI paradigms and MVC architecture through developing Web apps.