Justin Yongju Song

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EDUCATION & ACADEMIC ACHEIVEMENTS

University of Toronto, Toronto, ON.   Sept 2014 – Current
  GPA: 3.43/ 4.0   Expected Graduation: May 2019
- 3rd year in Bachelor of Science, Computer Science Specialist (Focus in AI and Machine Learning) and Major in Statistics.
- Awarded the Entrance Scholarship at University of Toronto in 2014.

International Baccalaureate, Vancouver, BC.   Sept 2011 – Jun 2014
- Completed Pre-IB and International Baccalaureate Diploma Program.   IB Final Score: 36/45

TECHNICAL SKILLS

Computers: Arduino UNO, HTML, Dreamweaver CS3, Adobe Firework, Python 3, Java, C, C++
                   MS Excel, Powerpoint, JavaScript (Jquery), Xquery, XML, Xpath, CSS, PHP 7

Engineering: RAM testing, Verilog HDL & Modelsim, Soldering, Altera Quartus FPGA

Platforms & DB: AIX, RedHat, Ubuntu, Power RedHat, DB2, Oracle, PostgreSQL, Windows

COMPUTER SCIENCE RELATED EXPERIENCES

MDM Software Developer Intern – IBM, Markham, ON.   Sept 2016 – Current
- Developed two Reporting Website Interfaces that manage the UI and QA results using PHP 7, CSS, jQuery, JSON, JavaScript, Java, HTML, and DataTables. The server was set up with Ubuntu and Apache2, the DB2 was used to handle the incoming data through JSON.
- Have automated a process of upgrade scenario of MDM product using XML, Java, JavaScript, IBM WebSphere Application Server, and IBM Installation Manager.
- Implemented a Slack App through shell scripting with slack-Web hook integrations API (with an idea of JSON) to notify the QA result whenever the new build installation is out on slack.
- Troubleshooted IBM WebSphere Application Server (Version 8.5.5.5 or newer including 9) for its Node or Domain Manager problem for the installation.
- Migrated and automated the process of installation support for Windows 7&10 using Cygwin, implemented, and refactored the installation tooling to support bash and run the installation of MDM product in background on Cygwin for MDM Engine and Performance team's testing.
- Improved CI pipeline for MDM delivery team through Jenkins and Cronjob on all platforms (AIX, RHEL, Ubuntu) using Java, and Perl Script.

Computer Science Ambassador & Assistant – UofT, Toronto, ON.   Sept 2015 – Aug 2016
- Assisted Department with computer science skill set related, taught Python3 and helped the computer science workshops for the coming first year computer science students
- Organized and assisted Career workshops that is happening at Bahen Centre, Toronto, ON.
- Officially awarded badge for distinctions and volunteer I contributed for UofT CS Department.

Summer Dry Lab Researcher – UofT iGEM, Toronto, ON.   May 2015 – Sept 2015

- Researched on oil sand ponds and its biomolecular structure in order to find a sufficient way to develop a DNA model which prevents a further destruction of the oil sand pond site.
- Developed the Framework of the ConsortiaFlux Interface using BioJava, D3.js and JavaScript interacting with Node and Edges.
- Awarded the 2nd place at the iGEM 2015 Competition that was held in Boston, US for the recognition of the project and proposal.

Web Dev (Voluntary)– Toronto 2015 PanAm Games, Toronto, ON.   April 2015 – Aug 2015

- Helped both opening and ending ceremonies of the game events in Toronto, Ontario.
- Managed and developed the webpage for Toronto 2015 Pan Am Games Volunteer Portal using HTML and JavaScript. Contributed a minor fix that happened with the UI.

Hardware Repair Assistant –Johns' Juke Ltd, Vancouver, BC.   Mar 2013 – April 2013

- Troubleshooted any Jukebox or Ping Pong machines relating to any hardware issues.
- Built a simple Pac Man on top of the gameboard machine using Java 5 and the framework the company provided.

Technician Intern – Free Geek Vancouver, Vancouver, BC.   Dec 2012 – Jan 2013

- Fixed the hardware of the computer, mostly did RAM cleaning and testing of the computer motherboard to help Metro Vancouver's machine recycling process.
- Also worked as a manager to help other volunteers to learn new computer related skills.

PROJECTS

Angular JS Projects – AngularJS, JSON, CSS, PHP7, HTML   June 2017 – Current

- Working on UI using Angular JS to support multi clients form and handle it like database using Datatables.
- AngularJS Minesweeper – My first Angular JS app game embedded with HTML.

Unity&C# Projects – 3D Unity, C#, OpenGL   May 2016 – Current

- Unity Score Ball Game – My first Unity project with C# and Unity 3D platform that has the ball which track the number of coin it picked up, like an old-fashioned Temple Run.
- Unity Card Mat Drop & Drag – Gameboard mat that can drag and drop the cards, currently in development for more visualization and for more smooth motion using Oculus Windows.

MSFT Hacks 2016 – JavaScript, MS Azure Microservices API, Slack   June 2016

- Developed a slack Application which communicates with Microsoft Azure microservices API to inform the changes made throughout the system.

Other Projects – JavaScript, jQuery, HTML, CSS, Bootstrap   Dec 2015 – Current

- Github Personal Website – My first Website practices. Used some of features from Jekyll.

VOLUNTEER EXPERIENCES

Future Blue Newsletter Team Lead – IBM, Markham, ON.   Jan 2017 – Apr 2017

- Managed & sent weekly newsletter for IBM Intern Community regarding upcoming events.
- Worked closely with other IBM team leads for any development that needs attention.