Justin Yongju Song

Github: https://justinsong01.github.io/
https://www.linkedin.com/in/justin-song-76a546bb/
Tel: (647) 920-2354 Mail:yjsong0404@gmail.com

EDUCATION & ACADEMIC ACHIEVEMENTS

University of Toronto, Toronto, ON.   Sept 2014 – Current
- 3rd year in Bachelor of Science, Computer Science Specialist (Focus in AI and Machine Learning) and Major in Statistics.
- Awarded the $2000 Entrance Scholarship at UofT in Sept 2014. GPA: 3.49/ 4.0
- Expected Graduation: Aug 2019

TECHNICAL SKILLS

Computers: Java, C, Git, Spring, HTML, Dreamweaver, CSS, Perl, Firework, Python3, C#, JavaScript (jQuery, Angular, Node, D3.js), Xquery, XML, Xpath, CSS, PHP7, ksh

Hardware& DevOps: Jenkins, Docker, Maven, RAM testing, Verilog, Soldering, Altera FPGA

Platforms & DB: AIX, RedHat, Ubuntu, IBM WAS, DB2, Oracle, PostgreSQL, RTC, Hadoop

COMPUTER SCIENCE RELATED EXPERIENCES

MDM Software Developer Intern – IBM, Markham, ON.   Sept 2016 – Dec 2017
- Developed two Reporting Website Interfaces that manage the UI and QA results using PHP 7, CSS, jQuery, JSON, JavaScript, Java, HTML, and DataTables.
- Implemented and developed RESTful API with DevOps tools Docker and Microservice API. Enabled the feature of registering a service which reads from JSON through Java and Vue.js.
- Have automated a process of upgrade scenario of MDM product using XML, Java, JavaScript, IBM WebSphere Application Server 8.5.5.9, and IBM Installation Manager.
- Implemented a Slack App through shell and JSON with slack-Web hook integrations API to notify the QA result whenever the new build installation is out on IBM slack channel.
- 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 MDM on Windows 7&10 using Cygwin, implemented, and re-factored the installation tooling through Java and Perl.
- Improved CI pipeline for MDM delivery team through Jenkins and Cronjob on all platforms (AIX, RHEL, Ubuntu) using automated tools which use Java, ksh, Python 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
- Awarded the 2nd place at the iGEM 2015 Competition that was held in Boston,

Massachusetts for the recognition of the project and proposal.
- Researched on oil sand ponds and its biomolecular structure to find an effective way to develop a DNA model which prevents a further destruction of the oil sand pond site.
- Developed the Framework of the Consortia Flux Interface using BioJava, D3.js and JavaScript interacting with Node and Edges.

Web Dev (Voluntary) –Toronto 2015 PanAm Games, Toronto, ON.   April 2015 – Aug 2015
- Helped testing the Website regularly for the good service of the events.
- Managed and developed the website for Toronto 2015 Pan Am Games Volunteer Portal using HTML, CSS and JavaScript. Contributed a 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 HTML embedded PacMan on top of the gameboard machine using Java 5.

PROJECTS (Projects Available on https://github.com/justinsong01)

Hadoop Project – Java, DataTables, Hadoop, JavaScript   Sept 2017 - Current
- Currently developing a current trend tracker that reads from data which is in .csv file format to analyze its trend using Hadoop.

AngularJS Projects – AngularJS, JSON, CSS, PHP7, HTML   Mar 2017 – Aug 2017
- AngularJS Minesweeper– My first Angular JS app game embedded with HTML.

Maven Plugin for Java Spring Framework – Java, Maven, Spring   July 2017
- Maven Plugin for Java Spring Framework Workaround using java and Maven Concepts.

Google Script Projects – Java, Google App Script(.gs), HTML   April 2017 – May 2017
- Youtube Auto Subscription Adder using Google SpreadSheet App API embedded with HTML.

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.

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.

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 requires an attention.

Cast Assistant – Toronto 2015 Pan Am Games, Toronto, ON.   July 2015 – Aug 2015
- Assisted the opening and ending ceremonies of the events as a cast assistant.