

JULIAN YONGMIN SONG

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Github: <https://github.com/ymsong01>

Portfolio: <https://ymsong01.github.io>

EDUCATION

- Sept 2014 - Present **University of Toronto St. George Campus, Toronto, ON**
- Bachelor of Science, specialist in Computer Science (focus in Artificial Intelligence) and major in Statistics. CGPA: 3.64/4.0
 - Expected graduation May 2019
 - Achieved the University of Toronto President's Entrance Scholarship 2014
 - Achieved Trinity College Chancellor's Scholarship - Ashbaugh 2015

SKILLS

- Programming: Fluent in Java, Python, HTML, CSS, C. Familiar with Xpath/XQuery, JavaScript, Verilog, LaTeX, C++.. Beginner in Assembly Language
- Technologies: Git, Subversion, Linux/Unix, Eclipse IDE, Android Studio, Dojo Toolkit, AngularJS, NodeJS, Selenium, IBM Watson, Bluemix, RTC, SQL
- Electronics: Arduino Programming, PCB schematics design, soldering, breadboarding, Altera Quartus & Modelsim
- 2nd Languages: Fluent in Korean. Elementary in Japanese

WORK EXPERIENCE

- May 2016 - Aug 2017 **Java and Web Software Developer Intern - IBM Cloud, IBM, Markham, ON**
- Implemented new features and fixed defects for recent releases of IBM Hybrid Cloud - Business Process Manager (BPM) software products using Java, HTML, CSS, JavaScript, XML, Dojo Toolkit, Spring framework and Node.js
 - Participated in agile software development (Scrum) for Repository & Web UI Framework and Runtime/Engine teams..
 - Refactored JDBC templates and implemented dynamic UI components and RESTful APIs.
 - Developed BPM Automated Survey Analyzer using BPM software and IBM Watson APIs (AlchemyAPI, Natural Language Classifier, Tone Analyzer) as a team to automate customer support services and assist technical support engineers.
 - Created, tested and optimized numerous Selenium automated test cases to improve the automated test package runtime by 60%.
- May 2015 - Aug 2015 **Summer Software Developer and Researcher, iGEM Toronto, Toronto, ON**
- Developed a web application ConsortiaFlux to compare genome-scale metabolic models of bacterial consortia to analyze the introduction of synthetic E. coli from the Athabasca river microbiome as a team using HTML, CSS, JavaScript and Biojava.
 - Main Project: A Genetically Engineered Solution for Oil Sand Tailings.
 - Researched on the biodegradation of the microbiome, Toluene found in Alberta's oil sand tailing ponds and its potential political and environmental risks.
 - Nominated as the Best Applied Design during iGEM 2015 competition held in Boston, Massachusetts.

PROJECTS

- Aug 2017 - Present **Java Spring Content Management System Application**
- Currently developing a Java Spring Content Management System application.
 - Source code can be found from <https://github.com/ymsong01/Content-Management-System>
- Oct 2016 - Mar 2017 **IBM CASCON 2016 Community Hackathon ReachUp Ultimate Application**
- Achieved the 1st place with the proposed business solution and the developed software during the IBM CASCON (Centers for Advanced Studies) 2016 Community Hackathon.
 - Collaborated and provided a business solution to resolve the challenges faced by the non-profit community, Reach-Up Ultimate association.
 - Developed and maintained the Ultimate Scheduling Application using Node.js, IBM Cloudant, Bluemix, MDL and Vue.js as a team.
- Jun 2016 **MSFTHacks 2016 “Am I joking?” Django web app using Microsoft Azure ML API**
- Implemented Django web application, “Am I Joking?” which detects whether user makes a TWSS joke using Microsoft Azure Machine Learning Studio and Bing Speech to Text API as a team during MSFTHacks 2016.
 - Scraped the raw data from web in order to train it on Azure Machine Learning Studio

EXTRA-CURRICULAR & VOLUNTEER EXPERIENCE

- May 2016 - Mar 2017 **Future Blue Intern Web Team Developer, IBM, Markham, ON**
- Developed IBM Intranet web applications to assist other interns.
 - Managed and updated IBM intern website regularly and made the website responsive.
- Sept 2016 - Dec 2016 **Future Blue Newsletter Team Lead, IBM, Markham, ON**
- Organized and updated news for Future Blue intern community at IBM Canada.
 - Participated in a weekly meeting with HR team to discuss various ways to encourage interns to participate IBM organized events actively.
- Sept 2015 – Apr 2016 **DCS Student Ambassador, Department of Computer Science, Toronto, ON**
- Volunteered and provided general assistance to the University of Toronto DCS events and promotes the events as a DCS ambassador.
- Sept 2012 - Apr 2014 **Career Preparation in Trades and Technology Program, VSB, Vancouver, BC**
- Achieved 2 years education program in trades and technology sponsored by Vancouver School Board.
 - Practiced Linux – Ubuntu environment, soldering, PCB schematics design and Arduino.
 - Worked as a computer technician at local companies in Vancouver.
- Dec 2011 - Mar 2014 **Mathematics Student Instructor, Mathematics Tutoring, Vancouver, BC**
- Advised grade 8-10 students in developing Mathematical skills.
 - Assisted students with their Mathematics homework and upcoming tests.

HONOURS & CERTIFICATES

- Oct 2016 IBM CASCON Community Hackathon Winner
- Aug 2016 IBM Mentorship Program Certificate
- Apr 2016 University of Toronto Dean’s List Scholar 2016
- May 2014 International Baccalaureate (IB) Diploma Program
- Feb 2013 Distinction Certificate, Canadian Fermat Mathematics Contest
- Bronze Certificate, Canadian Hypathia Mathematics Contest