

# HARRY ZHANG

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## TECHNICAL SKILLS

<b>Languages:</b>	Python, Java, JavaScript, C/C++, HTML, and R
<b>Frameworks / Libraries:</b>	Sass & CSS, React, Angular, Vue, ExpressJS, Spring Boot, Django, Ajax, jQuery, struts2
<b>Technology Stacks:</b>	NodeJS, MongoDB, Postgres, MySQL, Apache, AWS, Docker, Azure, EJB, JSP
<b>Version Control:</b>	Git, GitHub, GitLab, CA Harvest SCM
<b>Platforms:</b>	Mac OS, Windows, Linux, VS Code, Sublime Text, Figma, MS Office, WordPress, Trello
<b>Automation Tools / Compiler:</b>	JUnit, Selenium, Maven, Gradle, Ant, Make, Bash, npm, yarn
<b>Other Knowledge:</b>	REST, SOAP, JSON API, OOP, MVC framework, Agile Scrum, Data Structure, Algorithm

## EXPERIENCE

<b>Jr. Technical Analyst, Ministry of Transportation</b> developed frontend web application	May-Dec 2021
<ul style="list-style-type: none"><li>Developed frontend using Spring Boot, JavaScript, JSP, struts2</li><li>Implemented backend with NodeJS, Java, Oracle database, EJB</li></ul>	
<b>Business Owner, University of Guelph</b> created moderate full-stack project	Apr-Jul 2020
<ul style="list-style-type: none"><li>Designed frontend using HTML, CSS, JavaScript</li><li>Built backend with NodeJS, ExpressJS, Java, MongoDB</li></ul>	
<b>Technical Support Assistant, University of Guelph</b> designed UI and UX of school web page	Sep-Dec 2020
<ul style="list-style-type: none"><li>Built user interface prototypes in HTML and CSS</li><li>Implemented Agile Scrum to improve user experience</li></ul>	
<b>Web Developer, CyberWorkshop</b> designed web application to serve for business	May-Jun 2020
<ul style="list-style-type: none"><li>Designed user interface on WordPress</li><li>Connected backend data in MySQL to the server</li></ul>	
<b>Data Analyst, Somoplay Inc.</b> analyzed data in files and presented visual patterns	May-Aug 2020
<ul style="list-style-type: none"><li>Analyzed data in JSON format</li><li>Visualized data using Python Matplotlib</li></ul>	

## PROJECTS

<b>Sprint Boot Web Application</b> is an application that manages contacts	Aug-Dec 2021
<ul style="list-style-type: none"><li>Managed data using JpaRepository</li><li>Implemented user interfaces in Java Vaadin</li><li>Performed unit testing with Junit, integration tests using SpringBootTest</li></ul>	
<b>React API Project</b> is a crypto dashboard to show info by calling Rapid APIs	May-Aug 2021
<ul style="list-style-type: none"><li>Developed frontend using HTML, CSS, Javascript, React</li><li>Implemented backend with ExpressJS, NodeJS</li></ul>	
<b>Full-Featured Web Application</b> is for user to write his blog and post it on web application	Feb-Jun 2021
<ul style="list-style-type: none"><li>Built with Python Django framework</li><li>Stored data in PostgreSQL</li></ul>	
<b>Full-Stack Image Parsing Application</b> is client-server communication application	Jan-Apr 2020
<ul style="list-style-type: none"><li>Developed SVG image parsing application in C language</li><li>Parsed attributes using libxml, stored in tree data structure</li><li>Developed frontend using HTML, CSS, XML, JSON, JavaScript, Ajax, jQuery</li><li>Implemented backend with MySQL</li></ul>	
<b>Dungeon Master UI Game</b> is role-playing game contains rules to guide player	Sep-Dec 2019
<ul style="list-style-type: none"><li>Designed GUI components by JavaFX</li><li>Developed game logic using OOP Java</li><li>Followed Design Pattern and tested by Junit test</li></ul>	

## **EDUCATION**

University of Guelph, Guelph, ON

**Bachelor of Computing, Computer Science (Co-op)**

- Minor in Business Data Analytics
- In Dean's Honour List