

(HAILEE) HUIYI CHEN

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SUMMARY OF QUALIFICATIONS

- A self-motivated **Software Engineer** with multiple technical projects and software engineering virtual experiences
- Strong in software design, development and testing with intuitive problem-solving skills
- Proficient in Java, Python and SQL and familiar with JavaScript, HTML and CSS
- Experienced in communicating with clients, information and documentation management
- Enthusiastic in implementing and launching new projects, with a strong willingness to acquire new skills
- GitHub Portfolio: <https://huiyi999.github.io/>

EDUCATION

Master of Applied Computer Science	<i>Concordia University - Montreal, QC</i>	01/2019 - 10/2021
Bachelor of Computer Science & Technology	<i>Shanghai Normal University - China</i>	09/2012 - 07/2016

SKILLS

Languages: Proficient in Java, Python, JavaScript, CSS, HTML; Familiar with C++, Swift, C#, ASP.NET

Tools & Technologies: Experience with Git, SVN, Bootstrap, Spring, Docker, Thymeleaf; Familiar with MyBatis, Apache Shiro, Elasticsearch, Apache Tomcat, jQuery, Vue.js, Apache Zookeeper, JSP, JSTL, JDBC, JPA, Servlet, RMI, Jenkins

Databases: Familiar with MySQL, SQL Server

Testing: Postman, Spock, JUnit, PyTest, Unittest

TECHNICAL PROJECTS

Blog Search System with Elasticsearch | Java, Spring Boot 06/2022

- Completed the personal project, a 2-page blog search website within 60 hours
- Set up Elasticsearch, Logstash and Kibana (**ELK Stack**) using **Docker Compose** and synchronized Elasticsearch data with **MySQL** using Logstash, which could be used directly for relevant systems
- Built websites with **Vue.js** and **Bootstrap** for displaying blogs
- Built RESTful **APIs** with **Spring Boot** and **Spring Data JPA** to implement Elasticsearch and MySQL full text search respectively and compare their running time with Stopwatch
- Tested backend application with unit testing and learned that Elasticsearch is faster than MySQL

Community Forum Full Stack App | Java, Spring Boot 01/2022

- Completed the personal project, a 7-page discussion forum website within 2 weeks
- Built front-end app with **JavaScript**, **Bootstrap** and **Thymeleaf** that sends user input to backend
- Built **RESTful APIs** with **Spring MVC** to implement user login or registration, publish new posts, reply posts or comments, notify new replies, manage posts and replies and search post
- Implemented user authentication and authorization with **Apache Shiro**; utilized **MyBatis Generator** to generate code to access **MySQL** database, increasing automation and efficiency by 15%
- Utilized Spring Boot Developer Tools and LiveReload extension to automatically restart app and refresh the webpage when modifying the code or source, improving development experience
- Tested APIs with **Postman** and deployed it using **Maven**

University Chatbot | Python

04/2021

- Completed the Intelligent System coursework with 1 team member in Winter2021
- Utilized **BeautifulSoup** to scrap data from HTML of the webpage; utilized **pandas** to read data from CSV files
- Defined knowledge graph vocabulary using **RDF** and **RDFS**, encoded information in form of triples using vocabulary to construct knowledge base, and created a local copy of DBpedia Spotlight with **Docker** image to link entities to DBpedia, which made knowledge base construction automatic and increased efficiency by 20%
- Implemented a natural language interface to translate the input questions into SPARQL queries, which enabled users to interact with bot based on **Rasa**

WORK EXPERIENCE

Project Assistant

04/2018 - 12/2018

Shanghai Jiyun Software Technology Ltd. | China

- Collaborated with project managers and 3+ team members; completed any necessary administrative tasks for 4-5 projects, such as research, analysis and meeting
- Communicated with clients, followed-up project schedule and reported updates and problems to the team timely, which promoted project progress by 20% and helped boost yearly revenue
- Assisted developers to test system and increased team efficiency by 7%
- Prepared project documentation, bid documentation and meeting materials, including reports and presentations

Information Management Specialist

07/2016 - 11/2016

Shanghai Xinxiang Internet Finance Information Service Ltd. | China

- Provided support to 4 members in operation and maintenance team, increased team efficiency by 12%
- Operated and managed platform accounts and permissions with **Linux commands**
- Monitored at least 5 projects execution and progress weekly and coordinated efforts within the team and with other teams efficiently
- Established records information, including troubleshooting, equipment usage, staging environment and test environment, updated and maintained them using **SVN** everyday

EXTRACURRICULAR ACTIVITIES

Lyft Virtual Experience Program Participant (2022) - (6 hours)

Participated in the open access Lyft Virtual Experience Program with Forage.

- Tasks Completed include: Back-End Engineering Program (**Python**) - drafted a UML class diagram for new architecture, refactored the codebase, added unit tests and added new functionality using test-driven development workflow

Quantium Virtual Experience Program Participant (2022) - (7 hours)

Participated in the open access Quantum Virtual Experience Program with Forage.

- Tasks Completed include: Software Engineering Program (**Python**) - set up local development environment and added dash and pandas packages, processed dataset, created a Dash app to visualize the data, applied CSS to make app appealing

Accenture Virtual Experience Program Participant (2022) - (5 hours)

Participated in the open access Accenture Virtual Experience Program with Forage.

- Tasks Completed include: Accenture North America Coding Program (**Java**) - implemented a new controller to perform search, refactored the controllers, set up continuous integration using Jenkins, wrote stories in an agile planning session