(HAILEE) HUIYI CHEN

(438) 722-1555 | hailee.chenhy@gmail.com | Portfolio | LinkedIn | Toronto, ON

EDUCATION

Master of Applied Computer Science	*Concordia University* - Montreal, QC	Jan. 2019 - Oct. 2021
Bachelor of Computer Science & Technology	*Shanghai Normal University* - China	Sep. 2012 - Jul. 2016

SKILLS & CERTIFICATIONS

- Programming languages: **Java**, **Python**, SQL, JavaScript, CSS, HTML, C++, C#, Swift, ASP.NET
- Frameworks: Vue.js, **Spring Boot/MVC**, ElasticSearch, JDBC, JPA, Spock, MyBatis
- Databases: **MySQL**, SQL Server, **MongoDB**, Redis
- Web Testing: **Junit, PyTest**, Unittest, Postman
- DevOps & tools: **Git, Docker**, Jenkins, GCP, Logstash, SVN
- Solid knowledge of data structures, algorithms
- Certifications: Licenses & certifications

PROJECTS

Community Forum | Java   Jan. 2022 - Mar. 2022

- Developed a full-stack web application using **Java**, **Spring Boot**, and **Vue**
- Implemented user authentication and authorization using Apache Shiro
- Utilized MyBatis as the persistence framework, reducing **MySQL** database query response time by 40%
- Created a responsive and intuitive user interface using JavaScript, Bootstrap, Vue, **HTML**, and **CSS**
- Implemented **REST APIs** for CRUD operations on forum posts
- Integrated the **ELK** (Elasticsearch, Logstash, Kibana) stack running on **Docker** container for advanced searching capabilities, enabling real-time search experiences
- Conducted comprehensive unit testing using **Junit** and thorough API testing using Postman, achieving a test coverage of 95% and ensuring high-quality code

Chatbot | Python   Feb. 2021 - Apr. 2021

- Developed a university chatbot using **Python** and the **Rasa** chatbot framework
- Utilized **BeautifulSoup** and **Pandas** to process a total of 7,242 course materials
- Triplified the extracted information using an RDF Schema, encoding it into a knowledge base with 61,494 triples
- Implemented entity linking using DBpedia Spotlight **Docker** image, successfully linking 90% of the entities to DBpedia resources, enabling automatic knowledge base construction and increasing efficiency by 20%
- Implemented a natural language interface to translate user questions into **SPARQL** queries, enabling users to interact with the chatbot on Rasa in a conversational manner
- Collaborated with a developer using **Git** for version control, ensuring effective collaboration

WORK EXPERIENCE

Project Assistant, Shanghai Jiyun Software Technology Co., China   Apr. 2018 - Dec. 2018

- Collaborated with stakeholders to effectively manage project timelines and developed new best practices, resulting in a 10% decrease in project delays
- Successfully triaged and resolved system issues, resulting in a 20% increase in customer satisfaction ratings

Information Administrator, Shanghai Xinxiang Internet Information Technology Co., China   Jul. 2016 - Nov. 2016

- Demonstrated proficiency in managing platform accounts and permissions using **Linux** commands
- Utilized **SVN** to manage document versions, developed and implemented new document management policies and procedures, resulting in a 30% increase in efficiency and productivity within the department