

Eric (Yuxuan) Sun

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EDUCATION

University of Ottawa

January 2024 - Expected April 2025

Master of Computer Science

- **CO-OP Work terms:** 2024 summer, 2025 winter, 2025 summer, 2025 fall
- **Coursework:** Principles of Distributed Computing, Virtual Assistants, Natural Language Processing

Harbin Institute of Technology

September 2019 – June 2023

Bachelor of Engineering in Software Engineering

GPA: 3.71/4

- **Coursework & Score:** Introduction to Software Engineering (88), Introduction to Software Service Engineering (96), Android Development (88), Software Development Process and Project Management (86), Web Software Development Practice (89), Service-oriented Software Systems (92), , Java OOP (93), High-level language programming (91), Data Structures (88), Algorithms (86), Comprehensive Project Design (90), Database Systems (A-), Software Testing and Quality Assurance (89)
- **Award:**The Third Prize in C4 HCI Innovation Competition, The Second Prize in CUMCM 2022, The First Prize Scholarship in 2019

EXPERIENCE

China Merchants Bank / CMB Network Technology

July 2023 – January 2024

Software Engineer

Hangzhou, China

- Developed full-stack Web projects using Java and React.
- Built RESTful APIs of Web management system boosting asset custody business, using Java, Spring Boot and MySQL, with experience in Agile and Lean development.
- Optimized MySQL, Impala and Hive database queries, resulting in 30% faster page loads.
- Participated in software maintenance and DevOps, provided technical support for bank employees, and troubleshoot system bugs.

Inspur Group / Inspur Academy of Science and Technology

August 2022 – February 2023

Software Development Intern

Jinan, China

- Built Web App for IoT system using Java and Vue.js.
- Researched deep learning and published a paper at IEEE conference, ICCRD 2023. (DOI: 10.1109/ICCRD56364.2023.10080197)

PROJECTS

CMB Statistical Analysis Service for Report Data | *Spring Boot, React.js, Java, MySQL, MyBatis, RabbitMQ*

- Developed robust statistical analysis service for report data as full-stack developer, saving 60% work time for business analysts processing report data.
- Leveraged Quartz scheduled tasks to generate cached data ensuring in 60% faster queries among millions of data.
- Implemented configurable statistical parameters with MyBatis to enhance extensibility.
- Facilitated Microsoft Excel file export and automatic email transmission.

Accessible Navigation Application for Visually Impaired People | *Android SDK, Kotlin, TensorFlow Lite, ML Kit*

- Designed and developed an Android APP with Google development paradigm to offer accessibility services including obstacle avoidance, navigation and machine vision for visually impaired people.
- Participated in China Collegiate Computing Contest Human-Computer Interaction Innovation Competition as team leader, and won The Third Prize Scholarship in its national final.

SKILLS

Programming Languages: Java, SQL, Python, JavaScript, HTML 5, CSS, Kotlin, C#, C

Tools : Spring Boot, MySQL, React.js, MyBatis, Redis, RabbitMQ, Vue.js, PyTorch, Android SDK, Git

Concepts: RESTful, Domain-Driven Design, Test-driven development, Agile Methodology, Lean Software Development, Deep Learning