

XINRAN XIONG

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EDUCATION

McGill University, September 2018-2022

- Bachelor of Science, Honours in Computer Science
- Completed courses: algorithms and data structure, computer network, functional programming languages, database system, operating system, software design, web development
- CUM GPA:3.97

TECHNICAL SKILLS

- **Programming/Language:** Java, Python, C/C++, OCaml, MIPS, SQL, Scripts(Bash), Git, LaTeX
- **web front end:** HTML, CSS, JavaScript, Angular
- **server scripting language:** PHP
- **DataBase:** MySQL, RocksDB
- **IDE Tools:** Eclipse, Xcode, Visual Studio, IntelliJ
- **Operating Systems:** MacOS, Windows, Linux
- **Cloud Technology:** AWS

WORKING EXPERIENCE

Software Development Summer Analyst

Mississauga, Canada

Technology department of Citi Canada Technology Services ULC ("Citi")

2021.05-2021.08

Internship | Angular | JavaScript | Full Stack Development

- Participated in remote group work on a full stack project .
- Designed a user friendly frontend web page by HTML, CSS and Angular which can help in automatic form generation.

Research Assistant

Montreal, Canada

Under Prof. Vybihal, Joseph P, McGill University

2020.05-2020.08

Research Project | Java | IO | Maven | Google Guice Framework | Database Design | TestNG

- Research on project - Designed and integrated a robotic artificial intelligence software.
- Participated in remote group work on the Prometheus AI robot which can help in search and rescue operations.
- Investigated performance and reliability issues.
- Designed a database for the AI system to backup the trained model.

Tutor - Functional Programming

Montreal, Canada

McGill University.

2020.09-2020.12

- COMP 302 - Programming Languages and Paradigms with Dr.Brigitte Pientka.
- Programming language used in this course - Ocaml.

PROJECTS

Full Stack Development: Social Network Application

2020.06-2020.08

PHP(PHPMyAdmin) | Xampp | MySQL database(workbench) | Bootstrap,HTML,CSS, JavaScript(JQuery)

- Developed a full stack web application "E-home" which enables online communication for smooth user experience.
- Supported features like post, comment and friend request.
- Utilized MySQL database to store the user information in the backend.
- Created the UI frontend by HTML, CSS and JavaScript.

Multi-frontend Calculator

2020.09-2020.10

C | RPC | TCB | multiprocessing | Linux

- Developed a calculator which supports operations: addition, subtraction, multiplication, division and factorization.
- Utilized TCB protocol to connection UI(frontend) with server(backend).
- Implemented multiprocessing methods - multiple calculators work at the same time.

AWARDS

McGill University In-Course Scholarship(200 CAD)

regular academic year 2018-2019

McGill University In-Course Scholarship(700 CAD)

regular academic year 2019-2020

OTHER SKILLS AND INTERESTS

- **Languages:**English(fluent),Mandarin(native)
- **Certifications:**Course Certification for Responsive Website: Code with HTML, CSS, and JavaScript(Coursera);Course Certification for Database Design with MySQL(Udemy)