Abdulrahman AlAttas

rmnattas.com

rmnattas@gmail.com
LinkedIn(rmnattas) Github(rmnattas) Twitter(rmnattas)
Toronto
Canada

Objective

Compiler developer, pursuing opportunities in the AI Compiler space (MLIR, ONNX, IREE) to leverage my skills, take on new challenges, and advance in my career.

Skills

- **Technical**: C/C++, RISC-Assembly, Java, Python, Scripting, and different Operating Systems.
- **Work**: Compiler-Backend Development, Performance Investigation, Problem Solving, Debugging software and systems, Testing and getting new hardware compatiable and supported.

Work Experience

IBM, Toronto, Canada
Compiler Developer, IBM Runtimes — June 2022 - Present
Compiler Intern, IBM Runtimes — May 2020 - August 2021

- Working on the open-source OpenJ9 & OMR JVM **JIT** compiler. Developing and improving codegen and optimizer features for better Java performance.
- Investigating sophisticated JIT, performance, and system problems. Ensuring performance and reliability for our customers in existing and new platforms.
- Main inventor in compiler optimization strategy **patent** for multi-phased applications, "Multi-Phase Application Profiling and Compilation" (*FILED*).

University of Alberta, Edmonton, Canada — Summer 2019
Research Assistant

- Worked with **RISC-V** and the RARS Open-Source project. Explaining basic computer architecture concepts using assembly.

Savola Group, Jeddah, Saudi Arabia — Summer 2012
Application Developer

- Developed a front-end commodity prices iOS app using **Obj-C**. Making it convenient for the Commodity Risk Management team to check current prices. Dealing with customer requirements and user experience.

Education

University of Alberta — Grad: Spring 2022
BSc Honors in Computing Science

- **Relevant Coursework**: **Computer Systems & Architecture**, **Operating Systems**, **Program Analysis**, Network, DB, AI & ML, Algorithms & Data Structure, SE, Linear Algebra, and Calculus.
- **Other Courses**: Neural Networks and Deep Learning (2018), Swift (2015), and .NET (2010)