Nigel Redding

📞 343-322-8659   ✉ nvredding2@gmail.com
https://www.github.com/nigelvr

Objective

To work on meaningful and challenging software problems and further my software engineering knowledge. I am interested in learning more about both devops and embedded development.

Education

University of Ottawa, Ottawa, Ontario
Master of Science - Mathematics
Thesis *The Convex Hull of the Highest Weight Orbit and the Carathéodory Orbitope*

University name, Location
BSc - Mathematics and Computer Science   *11.92/12 GPA*
Honours Project *Torsion Points on Elliptic Curves*

Technical Skills

Languages and technical skills:

- Strong Python skills
- Strong C skills
- Strong debugging skills
- Intermediate C++ skills

Devops and automation:

- Jenkins
- Apache Airflow
- Makefile and CMake

Other skills:

- Flex and Bison
- The LLVM framework
- Embedded development: experience with cross-compilation. NXP IMX and Raspberry Pi pico
- X86 and ARM assembly language

Experience

SociVolta   **November 2019 – April 2023**
Senior Software Developer   *Montreal, QC*

- Responsible for important automation ground work: automated jobs for pulling market data and executing transactions
- Responsible for development and maintainance of key trading tools, including an interpreter for a domain specific language which we used to express our trading strategies
- Responsible for maintainance and development of automation tasks
- Mentoring junior members

ZeligSoft   **January 2018 – November 2019**
Software Developer   *Gatineau, QC*

- Development and maintainance of JavaScript bindings for OpenSplice DDS
- Maintenance of Python bindings for OpenSplice DDS
- Maintenance of OpenSplice build system (CMake, Jenkins)
- Maintenance of code generation tool for OpenSplice DDS