

Objective

To work on meaningful and challenging software projects and further my software engineering knowledge. I am intereted in becoming a key developer on important software projects.

Education

University of Ottawa, Ottawa, Ontario

Master of Science - Mathematics

Fall 2015 - Summer 2017

Thesis The Convex Hull of the Highest Weight Orbit and the Carathéodory Orbitope

Carleton University, Ottawa

BSc - Mathematics and Computer Science

Fall 2010 - January 2015

11.92/12 GPA

Honours Project Torsion Points on Elliptic Curves

Technical Skills

Languages and technical skills:

- Strong Python skills
- · Strong C skills
- Good debugging skills
- Good C++ skills
- OOP programming
- Version control (git)

Devops and automation:

- Jenkins
- Apache Airflow
- Make and CMake

Other skills:

- Flex and Bison
- The LLVM framework
- $\bullet\,$ Embedded development: some experience with NXP IMX and Raspberry Pi pico
- Some experience with 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

Software Developer

ZeligSoft

January 2018 - November 2019

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