Maxime Mulder

✉ maxime-mulder@outlook.com

☎ (514) 249-8171

○ MaximeMulder

in maxime-mulder

Interests

Programming languages

Type systems

Compilers

Systems programming

Referees

Étienne M. Gagnon
gagnon.etienne_m@uqam.ca

Sébastien Gambs
gambs.sebastien@uqam.ca

Wessam Ajib
ajib.wessam@uqam.ca

Programming languages

Imperative
Rust, C, C++, Java, Python, Javascript...

Functional
Haskell, OCaml

Languages

French
Native

English
Fluent

Interpreters

Clam ⬈

Lif ⬈

Introduction

After completing software engineering studies in France and continuing an academic exchange to obtain a computer science master's degree in Canada, I am now looking for a PhD in programming language research.

Education

Computer Science Master	2021-2023

Université du Québec à Montréal

CGPA	4.23/4.3
Notable courses	Compilers, virtual machines, data structures, cybersecurity

Software Engineering Degree	2016-2021

CESI Engineering School, France

Specialization	Software development
Notable courses	Software, web, operating systems, robotics, databases

Thesis and papers

"Énumérations évoluées pour langages à objets"
Master's thesis based on a subject by my supervisor Étienne M. Gagnon

"Advanced enumerations for object-oriented languages"
English summary of my master's thesis (not published yet)

Experience

Research assistant	Summer 2022 and April 2023

Université du Québec à Montréal

Supervisor	Étienne M. Gagnon
First mission	Work on my thesis' research
Second mission	Translation of my thesis in an academic paper format

Teaching assistant	Winter 2022

Université du Québec à Montréal

Course	Programming language creation (INF600E)
Mission	Supervision of the lab sessions for this course
Subjects	Parsing, typing, evaluation, implementation...

Full stack developper	January to December 2019

Digisoft, France

Status	Internship & Freelance
Mission	Lead development, deployment and maintenance of an internal ERP software
Technologies	Typescript, PHP, React, Laravel, MySQL database, Debian servers

Software developper	April to June 2018

Alstom, France

Status	Internship
Mission	Development of an internal electrical modeling software
Technologies	C++ and Qt library