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 developer — 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 developer — April to June 2018
Alstom, France

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