

Maxime Mulder

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🌐 MaximeMulder
in maxime-mulder

INTERESTS

Programming language theory and implementation

Type systems, subtyping, type inference, parallelism, memory management

Functional and imperative programming

REFEREES


Étienne M. Gagnon
gagnon.etienne_m@uqam.ca

Sébastien Gambs
gambs.sebastien@uqam.ca

Wessam Ajib
ajib.wessam@uqam.ca

PERSONAL PROJECTS

Clam 
Statically typed functional programming language written in OCaml

Lif 
Dynamically typed object-oriented programming language written in Rust

LANGUAGES

French
Native

English
Fluent

EDUCATION

Computer Science Master's Degree 2021-2023
Université du Québec à Montréal

CGPA 4.23/4.3
Thesis “Énumérations évoluées pour langages à objets”
(Advanced enumerations for object-oriented languages)
Supervisor Étienne M. Gagnon

Software Engineering Master's Degree 2016-2021
CESI Engineering School, France

CGPA 4.15/5
Specialization Software development

RESEARCH EXPERIENCE

Research assistant April 2023
Université du Québec à Montréal

Mission Translation and summarization of my thesis into an academic paper format
Supervisor Étienne M. Gagnon

Research assistant Summer 2022
Université du Québec à Montréal

Mission Work on my thesis research and development of an object-oriented interpreter in Java
Supervisor Étienne M. Gagnon

TEACHING EXPERIENCE

Teaching assistant Winter 2022
Université du Québec à Montréal

Course Programming language creation (INF600E)
Subjects Parsing, type checking, evaluation, implementation...

PROFESSIONAL EXPERIENCE

IT Software developer January 2024 - Present
McGill University / Montreal Neurological Institute

Mission Deployment of an appropriate infrastructure to connect the Brain Imaging Center to the CBIG open science repository
Development on the LORIS open source research software to better fit this project

Full stack developer January - December 2019
Digisoft, France

Mission Development, deployment and maintenance of an internal ERP software
Technologies Typescript, PHP, React, Laravel, MySQL database, Debian servers

Software developer April - June 2018
Alstom, France

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