

ALESSIO FERRARINI

MSc Computer Science Student

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🌐 alecsferra

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📍 Amsterdam, Netherlands

EDUCATION

Master's degree in Computer Science

University of Padua

📅 29.9/30 GPA

📅 Sept 2022 - June 2024 (expected)

- Programming languages and systems track.
- Recipient of "Mille e una Lode," an accolade bestowed upon the top two students in the Computer Science Master's program.
- Relevant course work includes: Advanced topics in programming languages, Formal methods for cyber-physical systems, Functional languages, Languages for concurrency and distribution, Software verification and Type Theory.

Master's degree Erasmus Student

VU Amsterdam



📅 Sept 2023 - Jan 2024 (expected)

- Artificial intelligence and parallel systems.
- Relevant course work includes: Programming large scale parallel systems, Evolutionary computing, Knowledge representations and Dynamic programming and reinforcement learning.

Bachelor's degree in Computer Science

University of Padua

📅 110 cum laude

📅 Sept 2019 - June 2022

- Thesis title: Implementation of a static typechecker and optimizations for a programming language.

WORK EXPERIENCE

TA

Univeristy of Padua, Padua, Italy

📅 Teaching Public speaking

📅 Sept 2022 - Present

Supported the teaching of the following undergraduate level courses:

- Algorithms and data structures.
- Automata and formal languages.

University internship

Zucchetti, Padua, Italy

📅 C++ Haskell

📅 May 2022 - Jun 2022

- Developed a static type checker for the CPL programming language.
- Improved runtime performances by 30%.
- Implemented new features in the language, including:
 - Generics
 - Sum types
 - Non-nullable types.

Junior Developer

Accenture, Verona, Italy

📅 Java Spring TypeScript VUE Flutter

📅 Jul 2019 - Sep 2019

- Developed an authentication system based on the OAuth2 specification.
- Developed a set of proof of concept.

ACHIEVEMENTS

Mille e una Lode

University of Padua, Padua, Italy



📅 Nov 2023

Recipient of "Mille e una Lode," an accolade bestowed upon the top two students in the Computer Science Master's program.

Cyber Challenge 2020

Laboratorio Nazionale di Cybersecurity del CINI, Padua, Italy

📅 Python C++ CyberSecurity

📅 Nov 2021

Admission to the course was granted after passing three levels of tests which resulted in an admission rate of 12.57%.

SIDE PROJECTS

Rec Static Analyzer

📅 Haskell

🌐 alecsferra/RecStaticAnalyzer

An abstract interpretation based static analyzer for the REC programming language.