



Manuel Di Agostino

MASTER'S STUDENT IN COMPUTER SCIENCE

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"I have no special talent. I am only passionately curious."

Education

University of Parma

Parma, Italy

BACHELOR DEGREE IN COMPUTER SCIENCE

Sep. 2021 - Jul. 2024

Grade: 110/110 *cum laude*

Title: "Valutazione sperimentale sull'individuazione automatica di errori di programmazione nel codice generato da LLM".

Supervisor: Prof. Enea Zaffanella

Co-supervisor: Prof. Vincenzo Arceri

Interests

My primary academic interests lie in Software Verification, particularly in Static Analysis by Abstract Interpretation. During my internship, I worked on integrating the PPLite (<https://github.com/ezaffanella/PPLite>) library into the Mopsa (<https://mopsa.lip6.fr/>) static analyzer, further enhancing my practical experience and technical skills in this field. My bachelor's thesis focused on evaluating the quality of source code generated by Large Language Models (LLMs) through static analysis.

Tools and Software

Deep Neural Network Library

From May 2024

A flexible C++ library for building, training, and using deep neural networks. Modular, easy-to-use, and high-performance. The library supports various neural network architectures, efficient training tools, and robust inference methods

(<https://github.com/unipr-org/deep-neural-network>).

Conferences and Workshops

2024 **Participant**, CSV 2024, 3th Challenges of Software Verification Symposium

Venice, Italy