

Stefano Travasci

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Skills

Programming languages	Python, Java, C, C++, CUDA, Dart, Haskell, Scheme, JavaScript, ...
Languages	Italian, English (C1)
Framework	Django, Flask, Flutter
Front-end	HTML, CSS, Bootstrap

Education

Master's Degree in Computer Science

Udine, Italy

UNIVERSITY OF UDINE

April 2025

- Obtained a Master's Degree in Computer Science (LM-18) at the Department of Mathematics, Computer Science and Physics of the University of Udine.
- The plan of study was structured according to the "Design and Development of Software Systems" track.
- **Title of the thesis:** "A GPU-based Parallel Propagator for the Stable Marriage Constraint", available on [ResearchGate](#).
- The thesis resulted in a **paper** that I presented at "CILC 2025: The 40th Italian Conference on Computational Logic" (see the sections "Publications" and "Conferences").
- **Thesis advisor:** prof. Andrea Formisano
- **Final grade:** Graduated with full marks and honors (110/110 cum laude)

Bachelor's Degree in Computer Science

Udine, Italy

UNIVERSITY OF UDINE

March 2021

- Obtained a Bachelor's Degree in Computer Science (L-31) at the Department of Mathematics, Computer Science and Physics of the University of Udine.
- **Title of the thesis:** "Automatic classification of diagnostic texts with machine learning techniques"
- The thesis resulted in a **long-poster**, published in the "Proceedings of the 9th IEEE International Conference on Healthcare Informatics (ICHI2021)" (see the section "Publications").
- **Thesis advisor:** prof. Vincenzo Della Mea
- **Final grade:** 108/110

Scientific High School Diploma (Liceo Scientifico)

Pordenone, Italy

LICEO SCIENTIFICO STATALE "M. GRIGOLETTI"

2016

- Obtained a Scientific High School Diploma (Liceo Scientifico), Applied Sciences track (Scienze Applicate), at Liceo Scientifico Statale "M. Grigoletti" in Pordenone.
- **Final grade:** 98/100

Conferences

CILC 2025 - The 40th Italian Conference on Computational Logic

Alghero, Italy

ANNUAL MEETING OF THE ITALIAN ASSOCIATION FOR LOGIC PROGRAMMING (GULP)

25-27 June 2025

- Attended the 40th Italian Conference on Computational Logic (CILC 2025).
- **Presented** the paper: "GPU-Accelerated Propagation for the Stable Marriage Constraint".

Courses and Certifications

First Certificate in English

CAMBRIDGE ASSESSMENT ENGLISH

June 2015

- **Results:** Pass at Grade A
- **Final grade:** 189 su 190
- **CEFR Level:** C1

Course The ecosystem for starting a startup

UNIVERSITY OF UDINE

9 November 2022

- Attended the interdisciplinary course "The ecosystem for starting a startup" (original title "L'ecosistema per l'avvio di una start up"), organized by University of Udine.
- **Course duration:** 8 hours (1 CFU)
- **Final test results:** passed

Course The strategic choices for starting a successful startup

UNIVERSITY OF UDINE

26 October 2022

- Attended the interdisciplinary course “The strategic choices for starting a successful startup” (original title “Le scelte strategiche per l’avvio di una start up di successo”), organized by University of Udine.
- **Course duration:** 12 hours (1 CFU)
- **Final test results:** passed

Course Social Impact Entrepreneurship

UNIVERSITY OF UDINE

8 September 2022

- Attended the course “Social Impact Entrepreneurship – How to Measure the Social Impact of My Entrepreneurial Project” (original title “Imprenditorialità a Impatto Sociale – come misurare l’impatto sociale del mio progetto imprenditoriale”), organized by University of Udine (regional code of the course FP2103822802).
- **Course duration:** 4 hours
- No final test was required.

Publications

- (Conference Paper) S. Travasci, F. Tardivo, and A. Formisano, “GPU-Accelerated Propagation for the Stable Marriage Constraint”, in Proceedings of the 40th Italian Conference on Computational Logic, Jun. 2025, vol. 4003. I personally presented this paper at CILC-2025 in Alghero in June 2025.
- (Conference Paper) M. H. Popescu, K. Roitero, S. Travasci and V. Della Mea, “Automatic Assignment of ICD-10 Codes to Diagnostic Texts using Transformers Based Techniques”, 2021 IEEE 9th International Conference on Healthcare Informatics (ICHI), 2021, pp. 188-192, doi: 10.1109/ICHI52183.2021.00037.

Other experiences

- Between 2019 and 2020, data entry and other roles at WIA srl.
- Between 2016 and 2020, computer science lessons to high school and university students.

Portfolio

- Libraries for working with ICD-10, ICD-10-CM and ICD-11 codes in Python and Java: [simple_icd_10](#), [simple_icd_10_cm](#) and [simple_icd_11](#) for Python, [SimpleICD10-Java-edition](#) and [SimpleICD10CM-Java-edition](#) for Java.
- [Parallel propagator for the Stable Marriage constraint](#), including the implementation of an equivalent serial propagator. Developed for my Master's Thesis.
- [Web app for the creation of social choices](#), which are brief polls where voters must decide between some alternatives. Group project for the Software Engineering course during my Master's program.
- Java library for simplified XML file management: [EasyXML](#).
- Java library for exchanging messages with Amazon Vendor's servers: [Java library for exchanging messages with Amazon Vendor using SFTP](#).
- Program for converting death certificates from ICD-10 to ICD-11, including a simple analysis of the results: [ICD-10 to ICD-11 Death Certificate Conversion](#). Group project for the Data & Techniques for eHealth course during my Bachelor's program.
- Group project for the Interactive 3D graphics course during my Bachelor's program, using the Three.js library: [Modeling and rendering with boxes](#) and [Product-Configuration](#).
- Other projects not publicly available include: implementation of a compiler's front-end for an imperative language (group project for the Languages and Compilers course during my Master's program), almost complete design and development of a Flutter application for managing food recipes (project for the Mobile Applications Design course during my Master's program), initial design and implementation of an e-commerce website using the Flask framework (advanced laboratory for the Object Oriented Design and Analysis course during my Master's program).