ALESSANDRO GIAGNORIO

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WHO AM I?

I am a researcher in AI for Software Engineering, with a primary focus on enhancing (smaller) LLMs for developer/company codebases, as well as on niche programming languages. Alongside my studies, I have gained experience as a back-end developer. I am an ambitious person, curious about everything related to computer science and always eager to learn something new. I am not one to sit on my hands. In fact, my favorite saying is: "Procrastination is the thief of time".

EDUCATION

2023 – Ongoing	**PhD in Informatics** SEART Group - Software Institute **Topic**: Customizing Deep Learning models for Code-related Tasks Università della Svizzera italiana, Lugano, Switzerland	**Università della Svizzera italiana (USI)**
2022 – 2023	**Master of Science in Software and Data Engineering** **Thesis**: Investigating the Usage of Data Augmentation for Code Review Università della Svizzera italiana, Lugano, Switzerland	**Università della Svizzera italiana (USI)**
2021 – 2023	**Master of Science in Software system security** University of Molise, Pesche (IS), Italy	**University of Molise**
2018 – 2021	**Bachelor of Science in Computer Science** **Thesis**: Automatic Refactoring of Dockerfiles University of Molise, Pesche (IS), Italy	**University of Molise**

PROFESSIONAL EXPERIENCE

2/2023 – 3/2023 3/2022 – 5/2022	**IT Consultant** Consulting activities related to the SHADE project, a software system for sharing documents among company employees. `Java / SpringBoot / Docker / SQL`	**datasound srl, Italy**
10/2021 – 12/2021	**Back-end developer and System engineer** "Care for You" is a support application for 'Associazione Perfetta Letizia' located in Campobasso, Italy. I partecipated as back-end developer and system engineer. `Java / SpringBoot / Docker / SQL / Linux`	**Associazione Perfetta Letizia, Italy**

LANGUAGES

Italian - native
English - proficient (C1)
German - beginner (A1)

SOFT SKILLS

Perseverance
Problem-solving
Teamwork

SELECTED PUBLICATIONS

Why Personalizing Deep Learning-Based Code Completion Tools Matters
ACM Transactions on Software Engineering and Methodology (TOSEM)
Alessandro Giagnorio, Alberto Martin-Lopez, Gabriele Bavota

Enhancing Code Generation for Low-Resource Languages: No Silver Bullet
33nd IEEE/ACM International Conference on Program Comprehension (ICPC'25)
Alessandro Giagnorio, Alberto Martin-Lopez, Gabriele Bavota