

Luigi Colluto

Software Engineering student | AI systems, backend engineering and software security

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Profile

Software Engineering undergraduate at SDU building practical AI systems and backend services. Experience in collaborative software-security research, dataset preparation and model evaluation, alongside independent ownership of Argo and Ager. Interested in reliable software, evidence and clear technical communication.

Experience

Incoming Student Worker, CRM Delivery | Danfoss, Nordborg

Expected November 2026 – June 2027. Offer accepted; employment has not yet started.

Student Teacher, Operating Systems and Distributed Systems | SDU, Sønderborg

September – December 2026. Support students with technical concepts, exercises and labs.

IT Student Assistant / Student Developer | SDU, Mærsk Mc-Kinney Møller Institute

January – June 2026. Contributed with a fellow student to an AI-based software-analysis pipeline in the EU-funded Beyond Patching project. Prepared labelled vulnerability datasets, compared model backends and improved evaluation references. Presented findings to academic and industry audiences.

Selected projects

Argo | Author and Designer

Designed a multi-stage source-code auditing workflow with Python, FastAPI, Pydantic and SQLite. Integrated multiple model backends, structured outputs, deterministic checks, independent validation and reproducible run artefacts. AI-assisted implementation under personal design and review.

Ager | Co-founder and Sole Engineer

Built a live private-beta news platform with .NET, PostgreSQL/pgvector, a Python service and TypeScript/React. Implemented ingestion and background processing, explainable recommendations and evaluation using a hand-labelled 200-article set. Own the engineering while a co-founder focuses on brand and communication.

Education

BSc in Engineering: Software Engineering | University of Southern Denmark

September 2024 – Expected 2027. Fifth semester; 120/180 ECTS completed. Weighted grade average 11.3/12 on the Danish 7-point scale.

Skills and languages

Python; C#/.NET; TypeScript/React; REST APIs; SQL/PostgreSQL; Git; Docker; automated testing; LLM workflows; data-quality checks and evaluation. Experience in six-person Agile university teams using Jira/Trello.

Italian: native. English: C1, Cambridge C1 Advanced.