

Arne De Peuter

Computer Science Masters Student

Location: Antwerp, Belgium Nationality: Belgian, USA Born: 5 January 2003 (23)

Languages: Dutch (Native) · English (Fluent) · French (Intermediate) · German (Basic)

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[LinkedIn](#) · [GitHub](#) · [LeetCode](#) · [Informal Portfolio](#)

ABOUT

I'm mainly interested in how systems are designed and how data moves through them. Most of my work sits between backend development, data engineering, and machine learning.

I like working on systems end-to-end, from designing architecture to building the backend and experimenting with data and models on top of it.

WORK EXPERIENCE

Jun 2023 – Jun 2025 **Internship @In2Facts**
Worked in a team environment as a software engineering intern.

EDUCATION

Sep 2025 – Present **Master Computer Science: Data science & AI** · University of Antwerp
Focus on software engineering, data science, machine learning, and AI.

Sep 2022 – Jun 2026 **Bachelor Computer Science** · University of Antwerp
Foundation of computer science

Sep 2021 – Jun 2022 **Bachelor Industrial Engineering Electronics-ICT** · University of Antwerp
Stopped after 1 year to switch to Computer Science because I wanted to focus more on software development.

Sep 2015 – Jun 2021 **High School** · Sint-Jozefcollege Turnhout
ASO, maths & sciences

PROJECTS

2026 **Dashcam** UAntwerpen · IOT · ML [GitHub](#)
IoT system that detects car crashes using on-device ML and sensor fusion

2025 **Deppy** Python · Library · DAG [GitHub](#)
A dependency executor for Python that empowers developers to design, build, and execute DAGs

2025 **Bachelors thesis: RBFA chatbot** UAntwerpen · Python · RBFA
A multipurpose chatbot for the royal belgian football association

2024 **Solarin** UAntwerpen · Game [GitHub](#)
An Online Idle Strategy Game with real-time interactions and complex game logic.

2024 **C-Compiler** UAntwerpen · Python · LLVM [GitHub](#)
A subset implementation of the C-compiler

2024 **Pacman** UAntwerpen · C++ · Game · A* [GitHub](#)
Pacman game with working ghosts

2023 **String Art** Python · Art · 4Fun [GitHub](#)
String and nail art generator

2023 **Software Graphics Engine** UAntwerpen · C++ [GitHub](#)
A CPU-based rendering engine

2023 **Chess engine** UAntwerpen · C++ · bitboards · minimax [GitHub](#)
Chess engine with minimax using bitboards

TECH STACK

Python FastAPI Pandas NumPy scikit-learn PyTorch Dlt LangGraph C C++ Rust Ollama
React Docker Kubernetes PostgreSQL Auth0 Nginx mosquito Git Linux