Xander Thijs

APPLIED COMPUTER SCIENCE STUDENT · ARTIFICIAL INTELLIGENCE

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I am looking for an ML engineer or data scientist internship in the 2027–2028 academic year.

PROFILE

I study artificial intelligence at PXL University of Applied Sciences. I build models and take them into production myself: from data and training to hosting and deployment. My model in Encounter lab predicts win chance with an error of 3.4 points, against 21.0 for the official guideline.

EDUCATION

PXL University of Applied Sciences 2021 – present
Professional bachelor in Applied Computer Science, specialisation Artificial Intelligence
Projects: MLOps, Big Data, Smart Devices, Trends in AI

Inspirocollege, Houthalen 2015 – 2021
Secondary education, Science and Mathematics track (diploma)

PROJECTS

Encounter lab Machine learning
I built a simulator of 131,167 encounters and trained a gradient-boosting model on it in Python that predicts whether a D&D party survives a fight. It runs in the browser.
Python · scikit-learn · JavaScript
github.com/XanderThijs/encounter-lab

Dragonwatch Web application
I built a combat tracker for D&D tables with a live view for players: more than 55 conditions, accounts, daily backups and automated tests, with no npm dependencies.
Node.js · SQLite · Docker
github.com/XanderThijs/dragonwatch

Ping Monitoring
I built a monitor for my own server that checks apps, disk and backups every minute and alerts my phone within two minutes of a failure. With 60 days of history and no dependencies.
Node.js · Docker · ntfy
github.com/XanderThijs/ping

WORK EXPERIENCE

Packer · Grafityp summer 2026

Volunteer, Control of Doors · KRC Genk since 2024

Driver · Febelco since 2023

Playground attendant · Molenheide 2020 – 2022

SKILLS

Machine learning	Python, NumPy, PyTorch, TensorFlow, scikit-learn, Jupyter
Programming	Python, Java, C#, JavaScript
Data	pandas, PostgreSQL, SQLite, data visualisation
Web	HTML, CSS, Vue, FastAPI, Node.js
Infrastructure	Docker, Linux, Caddy, Git

LANGUAGES

Dutch excellent · **English** excellent · **French** basic

BESIDES STUDY

Core Team – PXL Gaming
I build PCs in my spare time
Co-owner – Benelux Siege Hub
Driving licence B