

# Catalin-Stefan Niculescu

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## Education

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Vrije Universiteit Amsterdam

Sep 2024 – Jul 2026

🎓 Master's Degree - Artificial Intelligence

- **Core Courses:** Evolutionary Computing, Multi-Agent Systems, Knowledge Representation, Advanced Machine Learning, NLP, Deep Learning, Reinforcement Learning, Data Mining, Knowledge Organization

Track - Deepening AI

- **Core Courses:** Machine Learning for Graphs, Advanced Logic, The Social Web, Learning Machines

Vrije Universiteit Amsterdam

Aug 2021 – Jul 2024

🎓 Bachelor's Degree - Computer Science

- **Core Courses:** Machine Learning, Software Engineering Processes, Databases, Software Design, Web Technology, Statistical Methods, Requirements Engineering, Object-Oriented Functional Programming, DSA
- **Thesis:** *“There is no single answer to ethical questions: Human Agents vs. AI Chatbots in Ethical ICT Interactions”* awarded 9/10

Minor - Data Science

- **Core Courses:** Information Retrieval, Data Analytics & Privacy, Data Wrangling

## Experience

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Van Lanschot Kempen - Amsterdam

Sep 2024 – Present

💻 Fullstack Developer Intern

- **Activities:** Developing data governance to gain insight into all data withing the company; the app makes the **Corporate Data Model (CDM)** accesible and identifies patterns of data usage.
- **Frontend Technologies:** React, Typescript, D3, SCSS, Mui
- **Backend Technologies:** Redux, Flask, SQLAlchemy, Alembic, Python, Swagger API, Marshmallow
- **Other:** Azure DevOps, Scrum, Agile, SQL Server Management Studio

Neolocus - Amsterdam

Jul 2024 – Sep 2024

🔗 Front End Developer Intern

- **Activities:** Developed website for **generative AI spatial design platform**
- **Frontend Technologies:** React, Vite, Tailwind CSS, Stripe
- **Backend Technologies:** Redux, AWS S3, Firebase

Vrije Universiteit Amsterdam

Apr 2024 – Jul 2024

📖 Student Teaching Assistant for Software Engineering Processes

- **Activity:** Guided students in developing software projects and adhering to development methodologies during the 2nd-year Computer Science course on Software Engineering Processes.
- **Technologies and Concepts:** Test Coverage, GitHub, CI/CD, Unit Testing
- **Skills:** Project Guidance, Code Review, Software Development Processes, CI/CD Pipeline Implementation, Test Coverage Analysis

Husky Intelligent Fridges

Oct 2022 – Feb 2023

🔧 Warehouse Optimization Associate

- **Activities:** Optimized software processes and hardware assembly workflows, configured Raspberry Pi systems, B2B and B2C technical customer support
- **Skills:** Database Management, Fault Testing, Customer Engagement, Troubleshooting

CONS IT International

Jul 2020 – Sep 2020

## 🕒 Junior Network Engineer Intern

- **Activities:** Helped design and implement network services, including **routers, switches & firewalls**
- **Technologies:** **TCP/IP, VoIP, IPv4/IPv6, VPN, DNS, VLAN, QoS**

## Extracurricular Activities

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### S.C. Advertising Display Solutions S.R.L

*Feb 2020 – Apr 2020*

#### 👤 Volunteer

- **Activities:** Manufactured medical equipment to prevent the spread of COVID-19
- **Skills:** basic 3D design and printing, safety standards, QA

### ROBOTITANS

*Sep 2019 – Sep 2021*

#### 🤖 Robotics Club Member

- **Skills:** Low-level Java, Beginner AutoCAD, mechanical design, robot assembly, navigation algorithms
- **Awards:** First Tech Challenge 2020

## Certifications

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- **Microsoft Certified:** Azure Fundamentals
- **Cisco CCNAv7:** Introduction to Networks
- **Cisco:** Supporting Cisco Collaboration Devices
- **Accenture:** Developer Job Simulation
- **Wells Fargo:** Software Engineering Job Simulation
- **Skyscanner:** Front-End Software Engineering Job Simulation
- **Verizon:** Cloud Platform Job Simulation
- **DeepLearning.AI:** Convolutional Neural Networks
- **Fortinet:** Certified Fundamentals Cybersecurity
- **Coursera:** Digital Transformations
- **Coursera:** Wireless Communication for Everybody

## Languages

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- **Romanian:** Native
- **English:** C2
- **German:** B2
- **French:** B1
- **Dutch:** B1