Joris D.C. Alkema

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Education

Master Computer Science (Advanced Computing and Systems)   2024 - 2026
Leiden University, fulltime, avg: 7.9
- System & Software Security, Embedded Systems and Software, Cryptographic Engineering, Cloud, Distributed and high-performance computing.
- Advanced data mining and Social network analysis.
- *Thesis:* Algorithm optimization in social network analysis

66/120 EC

Bachelor Data Science & Artificial Intelligence   2021 - 2024
Leiden University, fulltime, avg: 7.4
- *Thesis*: evaluating the robustness of neural networks in the presence of fault injection attacks: simulations versus measurements (using Chipwhisperer platform) (7.5)
- *SWE project:* fine-tuned LLM for requirement engineering (<u>bought by client</u>)
- *Minor:* (Extra IT courses such as): Computer graphics, reinforcement learning, natural computing, etc.
- *Extra courses*: Data structures , Computability, Complexity, Programming and correctness

201/180 EC

Propaedeutic year HBO Informatica   July 2021
Hogeschool Leiden, fulltime, avg: 8.5
- Specialized in Software Engineering
- Java, Python, UML, Scrum

60/240 EC

Work Experience (Freelance)

Part-time MLops / Cloud Engineer   April 2025 – Current
Braincreators, 8 hours, Amsterdam
- Established multiple Gitlab CI/CD pipelines for ML artifacts that work together with sonatype Nexus and S3 Buckets
- GitOps to manage deployment on K8s clusters and doing rolling deployments using triton inference API
- Linux machine troubleshooting, Setup an on premise MicroK8s cluster

Part-time System Engineer   September 2022 – Current
Roodhals Capital, 6-12 hours, The Hague
- Hardware support**,** IT-Infrastructure, Cloud management, AI integrations
- Developed web scrapers for financial info and did data migrations for CRM