

Nicholas Erup Larsen

Resumé

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Austin, TX

or Copenhagen, Denmark

WORK EXPERIENCE

AI & Full Stack Engineer – Leadership Advisor Group

Project lead

Copenhagen, Denmark

March 2024 – August 2024

- Developed a full-stack, cloud-hosted web application, integrating OpenAI's API with a custom NLP pipeline under the hood that vastly improved the quality of the LLM output, culminating in a seamless interaction for the end user
- Lead the project gathering requirements, defining project scope, and delivering a site that exceeded client expectations

Cyber conscript in the Danish Army (Forsvaret) “Cyberværnepligten”

Selected as one of the 16 best applicants on a national level (biannual basis)

Fredericia, Denmark

August 2021 – June 2022

- Hands-on skills in networking and server administration, scripting (PowerShell, Bash), and IT infrastructure management
- Expertise in network, information, and operations security, governance, risk management, ISO 27001 & 27005 standards
- Trained in red and blue teaming operations: MITRE ATT&CK framework; penetration testing, reconnaissance, network vulnerability scanning and their countermeasures; SIEM systems, encryption, firewalls, and cyber awareness (social eng.)

YouTube editor & multimedia designer

(freelance, paid)

Copenhagen, Denmark

March 2015 – August 2021

- Proficiency in Premiere Pro for video editing and Photoshop for thumbnail design. Got paid by channels with 80-800k+ subscribers to edit and design thumbnails for them
- Used viewer analytics to identify trends and iterate on content strategies, culminating in 6+ million views on my videos
- Practical sales experience through customer outreach (cold emailing) & management

EDUCATION

The University of Texas at Austin

Electrical & Computer Engineering (exchange student)

Austin TX, USA

August 2024 – Ongoing

- **5th semester:** Data Science Lab (XGBoost, DL) | Software Design & Implementation (C/C++) | Visual Storytelling | Exploring User Interaction | Communications for Executive Leadership |

Technical University of Denmark, DTU (cand.polyt)

BSc in Artificial Intelligence & Data

Kongens Lyngby, Denmark

September 2022 – June 2025

- **Project work:** Project work (“Self-Supervised Learning for Time Series”), <https://arxiv.org/abs/2410.18318>
- **4th semester:** Active machine learning and agency | Introduction to reinforcement learning and control | Symbolic AI | Physics 1 | Database Systems
- **3rd semester:** Advanced Engineering Mathematics 2 | Project in Statistical Evaluation for AI & Data | Introduction to ML & Data Mining | UX Design Prototyping | Fundamental chemistry
- **2nd semester:** Introduction to mathematical statistics | Algorithms and Data Structures 1 | Signals and data | AI & human cognition
- **1st semester:** Advanced engineering mathematics 1 | Discrete Mathematics | Introduction to programming & data processing | Introduction to intelligent systems

Business & Science Elite, Niels Brock (HHX)

5 A-subjects (Mathematics, Danish, English, Microeconomics, Macroeconomics)

Copenhagen, Denmark

August 2018 – June 2021

ADDITIONAL INFORMATION

Skills: Fluent in Danish and English, speaking level proficiency in Swedish, Norwegian, German

Coding: Python, Git, JavaScript (React & Next.js), HTML, CSS, C, C++, R

Computer: Proficient in Figma, Photoshop, Premiere Pro, Excel, PowerPoint,

Interests: AI, Data Science, UX, Design, Finance, Economics, Software, Game Development, Media Production