

NICOLAS FORSTNER

MOBILE: +44 7379 400253

HOME PAGE: nforstner.com

EMAIL: nls.forstner@gmail.com

BASED IN: London

EDUCATION

2018-2022	UNIVERSITY OF YORK (RUSSEL GROUP) <i>MEng (Hons) Computer Science with Artificial Intelligence</i> <ul style="list-style-type: none">• Recipient of the IET Prize for the most outstanding student on an IET accredited course.• First class honors in all four years of the degree. A complete academic transcript is available on nforstner.com/transcript.pdf.• Third year thesis on object tracking using conventional video and optical flow.
	SCHOOL 2017 <i>German (Bavarian) Abitur with a grade average of 1.6 (1 is best, 6 is worst)</i>

WORK EXPERIENCE

JUNE & JULY 2022	UNIVERSITY OF YORK <i>Research support assistant - Telemedicine with AI for COVID-19 patients in Indonesia</i> <ul style="list-style-type: none">• Analysed and consolidated the team's research towards using AI to diagnose COVID-19 infections to prepare them for publication in journals such as PLOS.• Developed integrations for AI models such that they could be used internally.
JULY & AUGUST 2020	ATOS <i>Intern - Consulting for data science and artificial intelligence</i> <ul style="list-style-type: none">• Detection of humans through walls based on radio signals as part of a project for the German military (i.e. the BWI).• I was tasked with developing a cross-modal teacher-student model and a complex data pipeline involving both traditional statistical methods and modern machine learning techniques.• As part of our SCRUM cycle, I was regularly chosen to present our team's work directly to the customer and to manage further communication.
SEPTEMBER 2019	ATOS <i>Intern - Consulting for data science and artificial intelligence</i> <ul style="list-style-type: none">• Development of software that uses machine learning to improve the efficiency of a production line for electrical parts in a Siemens factory.• By making heavy use of data preprocessing and hyper-parameter optimization, my approach was able to beat all alternatives and was chosen to be deployed into production.
AUGUST & SEPTEMBER 2018	PADBERG & PARTNERS <i>Internship - Web development and task automation</i> <ul style="list-style-type: none">• Contributions to the open-source marketing platform <i>Mautics</i> and development of scripts to automate migrations from proprietary software to open-source alternatives.

SKILLS

GENERAL: Extremely passionate about AI, self-sufficient style of working, knowledgeable in system design and software best practices, good communicator and team player, scientific writing

MACHINE LEARNING: Diffusion models, Generative models, Computer vision, compute clusters, architecture search

Jax, Haiku, Optax, Chex, PyTorch, OpenCV, Numpy

LANGUAGES: Python, Rust, JavaScript, some C and CUDA

OTHER: Linux, Git, GitHub, Docker, Slurm, GCP, AWS, LaTeX, Vim

LANGUAGES

ENGLISH: Business level

GERMAN: Native

OTHER INTERESTS

Dev-Ops, continuous integration, game theory, evolutionary algorithms, system design, 3D animation, ultra-marathons and powerlifting.