Sherif Nafie

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RESEARCH

Tactile Machines Lab, Delft University of Technology (TU Delft) **May 2025 – Jan 2026**

Graduate Researcher

- Created a preference-based active learning framework for mapping perceived pseudo-force from asymmetric vibration parameters using Pairwise Gaussian Processes (BoTorch), validated via a human-in-the-loop psychophysical study.
- Co-first-author paper submitted to EuroHaptics 2026 *(under review)*

EXPERIENCE

Docyment, London (Hybrid) **Sep 2025 - Present**

Chief Technology Officer & Co-Founder

- Built the end-to-end technical stack of an AI-driven clinician documentation platform, integrating an ML-based processing pipeline with scalable backend and frontend systems.

SES Satellites, The Hague **Sep 2022 – Sep 2024**

Software Engineer (Operations)

- Led development of a cloud-deployed internal platform supporting large-scale operations (workflow orchestration, planning, structured operational knowledge).
- Owned end-to-end delivery: system architecture, backend/frontend, CI/CD, Azure deployment, and production maintenance in collaboration with cloud and security teams.
- Managed two interns (6 months each) and drove a major rewrite to a modern web stack, including AI-assisted features for faster information access.
- Received a management spot award for exceptional technical and organizational impact.

SES Satellites, The Hague **Feb 2022 – Aug 2022**

Satellite Communications Engineer Intern

- Built Python automation tools for network testing/monitoring/maintenance, including remote execution and diagnostics across distributed infrastructure.

EDUCATION

MSc Robotics, TU Delft **Feb 2025 – Jan 2027**

BSc Aerospace Engineering, TU Delft **Sep 2020 – Jan 2025**

- Artificial Intelligence Minor

SKILLS

TensorFlow, PyTorch, Linux, BoTorch, Python, C++, TypeScript, ROS2, MuJoCo, CI/CD, Next.js, Django

LANGUAGES

English (Native & C2), **Dutch** (Native), **Egyptian Arabic** (Limited working proficiency)