

MAKSIM SABUNOV

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Computer Science student with hands-on experience across software development, AI, and IT infrastructure. Seeking a 2027–2028 Year in Industry placement to deliver value to a high-performing engineering team while further developing technical expertise.

EDUCATION

University of Nottingham, UK — BSc Computer Science with a Year in Industry | 2025–2029
Year 1 Grades: First Class | : Algorithms & Data Structures, Software Engineering, Artificial Intelligence, Computer Networks, Databases & SQL, Computer Architecture, ARM Assembly, Mathematics for CS

COMMERCIAL EXPERIENCE

Fortaco Group — Software Developer | 2024–Present

- Architected and deployed a Power Platform & Dataverse operations ecosystem, unifying shop-floor workflows (5S, TPM, compliance) and building KPI dashboards that slashed overdue tasks by 30%.
- Engineered a digital quality-control platform that enabled real-time self-inspection checklists at the point of work, directly contributing to a 65% reduction in internal production deviations.
- Developed React/TypeScript analytics and Python tooling that surfaced anomalies in welding-robot logs and supported proactive maintenance and downtime reduction by 20%.

Adacel Technologies Estonia OÜ — IT Infrastructure Intern | Tallinn | Aug 2026

- Built a Proxmox VE virtualisation host and provisioned Ubuntu/Debian VMs, networking and remote access.
- Used Linux, Git, Jira, Ansible and Infrastructure as Code within engineering workflows supporting ATC test environments.

G4S — Network Monitoring Automation | Aug 2024

- Developed a Python/SNMP module automating network-device performance monitoring.

Freelance IT Consultant & Web Developer | 2021–Present

- Deliver websites and IT solutions for international clients from requirements through deployment.

PROJECTS

AI Builders Hackathon Challenge with IBM Bob — Space Exploration | Aug 2026

Built a Mars-rover science-triage system to prioritise scientifically valuable Mastcam imagery under constrained downlink bandwidth.

- Achieved 55.6% vs 15.4% science-relevant frames delivered at the same bit budget — a 3.6× improvement over the baseline.
- Modelled both downlink bandwidth and onboard CPU constraints, using a lightweight pre-filter before computationally expensive scoring.

Personal & University Projects: **Numsy** — macOS calculator (Swift/SwiftUI); **Annotate** — offline-first AI flashcards (Next.js/TypeScript/PostgreSQL); FIFA World Cup ML analysis (Python/scikit-learn); ARM Assembly printf; C UDP/LIFX client.

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, C, Java, SQL, Swift, Haskell, ARM Assembly

Frameworks: React, Next.js, Node.js, FastAPI, SwiftUI

Data: PostgreSQL, SQLite, Pandas, NumPy, scikit-learn, Power BI

Enterprise/Infrastructure: Power Apps, Dataverse, Power Automate, Linux, Docker, Proxmox, Ansible, Git, Jira, SNMP

Achievement: Winner of Robotex International Robotics Competition, Tallinn 2018

Languages: Estonian (B2), Russian (native), English (C1), German (A2)