

Sylvain Viguiet

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Work Experience

Jan 2022 – Present // **Director of Applications** at Graphcore. London, UK

AI hardware accelerator startup

- Leading ~20 ML Engineers, focusing on open culture, business outcomes and people empowerment
- Numerous projects inc. GPT3-175B training, GNN competition, HuggingFace transformers porting
- Participating in company-wide groups: 5 years strategy, IP/Compliance, Developer Experience

2019 – 2022 // **AI Engineer, Team Lead** at Graphcore. London, UK

- Grew the team from 4 to 9 members, focused on diversity in its multiple dimensions
- Ported PyTorch BERT to IPU cards, trained on 256 accelerators, class-leading performance
- Introduced DevOps including Experiment tracking, CI, Benchmarks, GitHub

2017 – 2019 // **Senior Software Consultant** at Zühlke. London, UK

Innovation and engineering consultancy

- Developed an internal platform: Deep Learning training in the cloud, inference at the edge
- Improved an intensive care monitor: Yocto Linux OS, UX design, data analysis in C++
- Brought in an University research project: Data Science in Python, wearable device design

2015 – 2017 // **Head of Technology** at Entia. London, UK

Imperial college spin-out, enabling blood tests at home

- Took part in company management, recruitment, fundraised £2.5M, reached ISO13485
- Managed a team of 6 delivering the hardware and software platforms
- Wrote C/C++ for ARM Cortex, Python for test automation and data analysis

2013 – 2018 // **Research Associate** at UCL. UK and Philippines

Hunter-gatherer resilience project

- Joined a multidisciplinary team augmenting anthropological populations studies
- Owned complete project from design and coding, to deployment and data processing

2012 – 2013 // **Software Engineer** at Qualcomm. Farnborough, UK

Skills

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| → Teams growing, coaching, leading | → Deep Learning with PyTorch |
| → Product-driven development | → Design Thinking, Rapid iteration |
| → Company strategy, customer relations | → Experiment Design |

Education

2018-2019: **Coursera**

Certified courses in Statistics, Machine Learning, Deep Learning and Google Cloud Platform

Sept 2006 – Dec 2011: **ESIEE Engineering**. Paris, France

MSc. in Telecommunications and Signal Processing (Distinction)

Interests

- [Scientific Publications in AI, Art and Climate Journals](#)
- [Interactive art installations \(IWM, V&A, Barbican\)](#)
- Rock climbing, Running, Yoga