Sylvain Viguier

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Work Experience

2022 – Present // Director of AI at Graphcore. London, UK

   AI hardware accelerator startup

- Leading 20 ML Engineers working on AI performance, with an emphasis on coaching
- Contributing to working groups deciding our AI strategy and internal organisation
- Owning our applications portfolio product including LLMs and diffusion models, NeurIPS GNN competition winning entry, as well as examples from our HuggingFace integration
- Engaging with the AI community via influential open-source and open-science contributions such as PyTorch library and the BigScience Project
- Public speaking events, recently at University of Oxford, Chatham House, and Bank of England

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

- Developed Customer Engineering ML team from 4 to 10 members, introduced MLOps and CI
- Ported PyTorch BERT to IPU cards, trained on 256 accelerators, class-leading performance

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

   Innovation and engineering consultancy

- Improved data analysis and UX of an intensive care monitor device running a custom Linux OS
- Brought in an University research project, doing 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

- Founding engineer, fundraised £2.5M, got ISO13485 and built a production-ready device
- Grew and managed a team of 6 delivering our hardware and software platforms

2013 – 2018 // Research Associate at UCL. London, UK and Palanan, Philippines

   Hunter-gatherer resilience project

- Owned wearable technology project from design, coding, deploying, to data processing
- Authored numerous applied anthropology papers on populations studies

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

- Developed advanced algorithms improving power usage for millions of flagship phones

Skills

➔ AI & ML with PyTorch, AWS, W&B, GitHub, Python, C/C++, HuggingFace, Data Science
➔ Leadership, People Management, Customer Success, Product Management

Education

2018 – 2019 // Coursera Data Science, Deep Learning and Google Cloud Platform courses
2006 – 2011 // ESIEE Engineering MSc. in Telecommunications (Distinction)

Interests

- Scientific Publications in AI, Art and Climate Journals
- Interactive art installations (IWM, V&A, Barbican)
- Running, Yoga, Climbing.