

PIOTR MIGDAŁ, PHD

deep learning specialist, technical leader & visionary

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INTRO

I am looking for ambitious challenges in advanced data science.

I would happily consider industries such as medtech, biotech, and user-centric AI. Ideal roles include data science tech lead, head of AI, technical product manager, and CTO.

EXPERIENCE

co-founder & CTO

Quantum Flytrap

📅 2020 – 2022 📍 Singapore & Warsaw, Poland

- A startup making quantum easy for business, by developing a quantum computing IDE.
- Raised a VC-backed pre-seed round.
- Lead development a state-of-the art numerical engine, which performs quantum computation real-time in the browser.
- Delivered a web-based quantum computing interface to Pasqal, a leading quantum hardware manufacturer – a paying customer.
- Created Virtual Lab, an interactive simulation of entangled photons, used at Standord and Oxford universities.
- Key tech: TypeScript, Vue, Rust, WASM, quantum computing.

AI researcher

ECC Games

📅 2020 – 2021 📍 Warsaw, Poland

- Designed and lead implementation of deep learning models for simulating racing car physics & unsupervised image segmentation.
- Key tech: Python, PyTorch.

machine and deep learning consulting

independent

📅 2015 – 2019 📍 US, Europe

- Trainings and consulting for: deepsense.ai, Intel, Nielsen, Samsung Research, and BCG.
- Key tech: Python, Jupyter Notebook, Scikit Learn, PyTorch, Keras.

data science and data viz freelancing

independent

📅 2014 – 2015 📍 remote & Warsaw, Poland

- Selected clients: Data4Cure, Startup Compass, Laboratorium EE.
- Key tech: Python, Pandas, NumPy, SciPy, JavaScript, D3.js.

LIFE PHILOSOPHY

"You live as long as you learn."

MOST PROUD OF



livelossplot

Developed a popular Python library for visualizing deep learning model training, with over 1.5M installations.



Data Science PL

Created the largest data science community in Poland – over 20k members.



RSI & IPhO

Alumnus of the MIT Research Science Institute, an International Physics Olympiad bronze medalist.



Inspiration & impact

Over 15 of my projects and writings have been featured on the Hacker News front page.



Broad interests

Research publications in quantum physics, mathematical psychology, educational games, and data visualization.

LANGUAGES

Polish

English

EDUCATION

PhD in quantum optics theory

ICFO – The Institute of Photonic Sciences

📅 2011 – 2014 📍 Castelldefels, Spain

- Maciej Lewenstein's group.
- Reviewed by Seth Lloyd (MIT).

MSc in physics

University of Warsaw

📅 2005 – 2011 📍 Warsaw, Poland

BSc in mathematics

University of Warsaw

📅 2005 – 2009 📍 Warsaw, Poland