

PIOTR MIGDAŁ, PHD

Deep Learning Specialist, Data Science Tech Lead

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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 angel and pre-seed rounds.
- Lead development a state-of-the art numerical engine, which performs quantum computation real-time in the browser, client-side with WASM.
- Delivered a web-based quantum computing interface to Pasqal, a leading quantum hardware manufacturer.
- Created Virtual Lab, a world-recognized UI for creating quantum information experiments with photons.
- Key tech: TypeScript, Vue, Rust, quantum computing.

AI researcher

ECC Games

2020 – 2021 Warsaw, Poland

- 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

- Selected clients: 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.

PhD in quantum optics theory

ICFO – The Institute of Photonic Sciences

2011 – 2014 Castelldefels, Spain

- Advisors: Maciej Lewenstein, Javier Rodriguez-Laguna.
- Reviewers: Seth Lloyd (MIT), Karol Życzkowski (UJ).
- Key tech: Mathematica, LaTeX, Python.

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 Data Science PL, the largest data science community in Poland with over 20k members.



RSI & IPHo

Alumnus of the renowned MIT Research Science Institute and recipient of the bronze medal in the International Physics Olympiad.



Inspiration & impact

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



Broad interests

My research publications span a wide range of disciplines from quantum physics to mathematical psychology, educational games, and data visualization.

LANGUAGES

Polish

English

EDUCATION

PhD in Quantum Optics

ICFO – The Institute of Photonic Sciences

2011 – 2014

MSc in Physics

University of Warsaw

2005 – 2011

BSc in Mathematics

University of Warsaw

2005 – 2009