

# JULIUSZ ZIOMEK

1st year PhD Student @ University of Oxford

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## EDUCATION

Ph.D. in Machine Learning

University of Oxford

Oct 2023 – present

Supervisor: Michael A. Osborne

Fully funded by EPSRC and  
Ashton Memorial Scholarship

M.Sc. in Statistics with Data Science

University of Edinburgh

Sept 2021 – August 2022

Grade: Distinction (highest), Top-1 of the cohort

B.Eng. in Electronic Engineering

University of Southampton

Oct 2018 – June 2021

Grade: First Class Honours (highest)

## WORK EXPERIENCE

Machine Learning Research Engineer

Huawei Technologies - Full time

Oct 2022 – Oct 2023    London, UK

- Worked on Bayesian Optimisation, Reinforcement Learning and Large Language Models

Machine Learning Summer Intern

PolyAI - Internship

June 2021 – Sep 2021    London, UK

Machine Learning Research Intern

University of Southampton - Internship

June 2020 – Sep 2020    Southampton, UK

## OS CONTRIBUTION

- Contributed to Huawei Open Source Bayesian Optimisation Library [HEBO](#) (2.1k stars on GitHub)

## TECHNICAL SKILLS

Python    PyTorch    GPyTorch    Github    Linux

## PUBLICATIONS

### Conference Proceedings

- J.Ziomek and H. Bou-Ammar, "Are random decompositions all we need in high dimensional Bayesian optimisation?" In [International Conference on Machine Learning \(ICML\), 2023](#). [pdf](#)
- D. H. Mguni, A. Sootla, J.Ziomek et al., "Timing is everything: Learning to act selectively with costly actions and budgetary constraints," In [International Conference on Learning Representations \(ICLR\), 2023](#). [pdf](#)

### Preprints

- R. Tutunov, A.Grosnit, J.Ziomek et al., "Why Can Large Language Models Generate Correct Chain-of-Thoughts?" [pdf](#)

## AWARDS

Ashton Memorial Scholar

University of Oxford    2023

I was awarded one of two competitive Ashton Memorial scholarships from University College Oxford covering my living costs during the PhD.

Best Student Award

University of Edinburgh    2022

I was awarded the Best Student Award for my academic performance during my Statistics with Data Science degree at the University of Edinburgh.

Title of Laureate

Polish National Physics Olympiad    2018

The Physics Olympiad is highly respected and the title of Laureate grants unconditional entry to all STEM degrees on every public university in Poland.

## LANGUAGES

|          |                       |
|----------|-----------------------|
| Polish   | Native                |
| English  | C2 (CAE with grade A) |
| Japanese | N3 (日本語能力試験)          |