

Wojciech Anyszka

[✉ anyszka@princeton.edu](mailto:anyszka@princeton.edu)

[📞 531 333 131](tel:531333131)

[🔗 anyszka.me](http://anyszka.me)

[🔗 wojciech-anyszka](https://www.linkedin.com/in/wojciech-anyszka/)

[🔗 wanyszka](https://orcid.org/0000-0002-1536-825X)

[🎓 Google Scholar](#)

Education

PhD	Princeton University , Operations Research and Financial Engineering (ORFE)	Princeton, NJ, USA
		Sept 2025 – present
MSc	University of Oxford , Mathematical Sciences <i>Distinction</i> , ranked 3rd in cohort	Oxford, UK
		Oct 2024 – June 2025
BSc	University of Groningen , Mathematics <i>Summa Cum Laude</i> , Average: 9.7/10	Groningen, Netherlands
		Sept 2020 – Nov 2023
BSc	University of Groningen , Physics <i>Summa Cum Laude</i> , Average: 9.6/10	Groningen, Netherlands
		Sept 2021 – Nov 2023
BSc	University of Groningen , Artificial Intelligence <i>Summa Cum Laude</i> , Average: 9.5/10	Groningen, Netherlands
		Sept 2020 – June 2024

Experience

KAUST (King Abdullah University of Science and Technology) , Research Intern	Thuwal, Saudi Arabia
<ul style="list-style-type: none"> Worked in the Optimization and Machine Learning Lab under supervision of prof. Peter Richtárik Conducted theoretical research on Federated Learning focusing on convergence rates for a distributed asynchronous proximal method This work led to a publication at ICLR 2026 	May 2024 – Sept 2024
University of Groningen , Teaching Assistant	Groningen, Netherlands
Helped with the organization of a course, teaching tutorial classes, and grading homework assignments and exams	Nov 2022 – May 2024
<ul style="list-style-type: none"> Multivariable Analysis (22/23) Complex Analysis (22/23) Dynamical Systems (23/24) Quantum Physics 2 (22/23) Calculus 2 (22/23, 23/24) Calculus for CS (23/24) 	
Institute for Advanced Study , Summer Intern	Park City, UT, USA
Undergraduate Summer School in Quantum Computation	July 2023 – Aug 2023
Utrecht University , Summer Intern	Utrecht, Netherlands
Summer School in Theoretical Physics	Aug 2023 – Aug 2023

Skills

Programming: Proficient with Python (PyTorch, NumPy, Pandas, Scikit-learn, Matplotlib,...), good understanding of C
Languages: English (C2, fluent), Polish (native)

Publications

Tighter Performance Theory of FedExProx	Apr 2026
Wojciech Anyszka , Kaja Gruntkowska, Alexander Tyurin, Peter Richtárik arxiv.org/abs/2410.15368 (International Conference on Learning Representations (ICLR) 2026)	

Investigating Stationarity Properties of the Signature Transform

Apr 2025

Wojciech Anyszkaanyszka.me/Oxford_dissertation.pdf (MSc Dissertation, University of Oxford)**Towards an Approximation Theory of Observable Operator Models**

Apr 2024

Wojciech Anyszkaarxiv.org/abs/2404.12070 (BSc Dissertation, University of Groningen)**The Kepler Problem and Its Relation to Extremal Black Holes**

Nov 2023

Wojciech Anyszkafse.studenttheses.ub.rug.nl/31614/1/bPHYS_2023_AnyszkaWJ.pdf (BSc Dissertation, University of Groningen)

Extracurricular Activities

- StEP Ignite 2025—Oxford's student entrepreneurship programme run by Oxford University Innovation, EnSpire Oxford and Oxford Edge