




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

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

**Programming:** Proficient with Python (PyTorch, NumPy, Pandas, Scikit-learn, Matplotlib,...), good understanding of C

**Languages:** English (C2, fluent), Polish (native)

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

<b>Investigating Stationarity Properties of the Signature Transform</b> <b>Wojciech Anyszka</b> <a href="https://anyszka.me/Oxford_dissertation.pdf">anyszka.me/Oxford_dissertation.pdf</a> <a href="#">↗</a> (MSc Dissertation, University of Oxford)	Apr 2025
<b>Towards an Approximation Theory of Observable Operator Models</b> <b>Wojciech Anyszka</b> <a href="https://arxiv.org/abs/2404.12070">arxiv.org/abs/2404.12070</a> <a href="#">↗</a> (BSc Dissertation, University of Groningen)	Apr 2024
<b>The Kepler Problem and Its Relation to Extremal Black Holes</b> <b>Wojciech Anyszka</b> <a href="https://fse.studenttheses.ub.rug.nl/31614/1/bPHYS_2023_AnyszkaWJ.pdf">fse.studenttheses.ub.rug.nl/31614/1/bPHYS_2023_AnyszkaWJ.pdf</a> <a href="#">↗</a> (BSc Dissertation, University of Groningen)	Nov 2023

## Extracurricular Activities

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