

Matthijs Ignacy Olivier Wanrooij, BSc

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Education

- 2023 – now 📖 **MSc, University of Amsterdam.** Theoretical physics (current GPA: 8/10).
Thesis title: *Integrability, Bethe Ansatz and open quantum systems.*
Mathematics, numerical simulations, scientific collaboration.
- 2020 – 2023 📖 **BSc, Leiden University.** Physics (GPA: 8/10).
Thesis title: *Superconductivity in fractal geometries* (8.5/10).
Electron beam lithography, nano fabrication, cleanroom experience, numerical simulations, data analysis, building & calibration of experimental setups.
- 2019 – 2023 📖 **BSc, Delft University of Technology.** Civil engineering (GPA: 8/10, 'cum laude').
Thesis title: *Performance of wave breaker formulations in SWAN* (8.5/10).
Numerical simulations, data analysis.
- 2013 – 2019 📖 **Gymnasium Haganum.** Highschool.

Employment History

- 2024 – now 📖 **Production Officer at SciPost.** Editing and formatting scientific papers in physics.
📖 **Student mentor & ambassador.** Mentoring 1st year master's students pursuing theoretical physics, answering questions of prospective students.
- 2022 – 2023 📖 **Teaching assistant.** Programming methods (Leiden University).
📖 **Student coach.** Helping students writing their thesis (Leiden University).
- 2019 – 2020 📖 **Retail employee.** Dunkin' donuts & Kruidvat.

Skills

- Languages 📖 Fluent in Dutch and English. Strong proficiency in German, intermediate Polish.
- Coding 📖 Python, Mathematica, COMSOL Multiphysics®, Git
- Typesetting 📖 L^AT_EX, MS Office
- Visual design 📖 Inkscape, PGF/TikZ

Miscellaneous Experience

Certification

- 2018 📖 **Cambridge C2 certificate.** Certificate of fluency in English.
- 2017 📖 **Goethe-Zertifikat B2.** Certificate of proficiency in German.

Activities

- 2018 📖 **PAD Preisträgerprogramm.** Study trip to Germany awarded by the German government.
📖 **Pre-university.** Pre-university classes in astronomy (Leiden University).