





Matthijs Ignacy Olivier Wanrooij, BSc

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🌐 <http://matthijswanrooij.github.io/>







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 ('cum laude').

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).