

Mathijs Henquet

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Education

- 2006 – 2012 **Secondary education**, *De Nieuwste School, Tilburg*, Grade point average 8.5
- 2012 – 2019 **Bachelor of Mathematics**, *Utrecht University*, Grade point average 7.8
- 2016 – 2017 **Erasmus semester**, *Freiburg University, Germany*
- 2015 – 2019 **Bachelor Informatics**, *Utrecht University*, Grade point average 7.8
- 2020 – **Master Mathematics**, *Utrecht University*, Ongoing

Projects and awards

- 2016 Winner of μ KP programming competition
A programming competition amongst the CS students at Utrecht University.
- 2018 Bachelor Thesis Homotopical mathematics 📄
On homotopy type theory and its relation to higher topos theory.
- 2018 Software project Speech2EPD
The goal was a system which produces a multimodal electronic medical file by collecting various inputs such as recorded consults and digital measurements. For this I designed and built a flexible microservices based architecture backbone of this system.
- 2019 Summer fellow at MIRI
An extended retreat by the Machine Intelligence Research Institution for mathematicians and programmers with a serious interest in making technical progress on the problem of AI alignment.
- 2022– Master thesis project
On the correctness of automatic differentiation in the presence of recursion and iteration.

Experience

- 2015 Tutor Linear Algebra at Utrecht University
- 2020 Volunteer at Epidemic Forecasting 🌐
Supporting decision makers with Covid19 scenarios and modeling, geared toward the global south. I worked on presenting the models in the frontend.

Language skills

Dutch C2 - Native English C2 - Near native German C1 - Excellent

Technical skills

Advanced Rust, C# (.NET Core), Javascript (Typescript, React), Haskell, Git, Mathematica, \LaTeX
Intermediate Powershell, Linux, Java, PHP (Symfony, Doctrine), SQL (MySQL, Oracle), Docker