Mathijs Henquet

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Technical skills

Advanced	Rust, C# (.NET Core), Javascript (Typescript, Node.js), React, Web (HTML, CSS), Haskell, Mathematica, LaTeX
Intermediate	Git, Java, PHP (Symfony, Doctrine), SQL (MySQL, PostgreSQL, Oracle), NoSQL (MongoDB, Redis), Docker, Linux, Powershell, Bash
Basic	*Many more...*

Education

2020 –	**Master Mathematics**, *Utrecht University*, Ongoing
2015 – 2019	**Bachelor Informatics**, *Utrecht University*, Grade point average 7.8/10
2012 – 2019	**Bachelor of Mathematics**, *Utrecht University*, Grade point average 7.8/10
2016 – 2017	**Erasmus semester**, *Freiburg University, Germany*
2006 – 2012	**Secondary education**, *De Nieuwste School, Tilburg*, Grade point average 8.5/10

Projects and awards

2022–	Master thesis project, Ongoing Proving the correctness of automatic differentiation in the presence of recursion and iteration.
2020	Corona Dashboard 🐙 Short-term modelling project of the corona epidemic using public datasources, using Mathematica. Later subsumed by my work with epidemic forecasting.
2019	Summer fellow at MIRI An academic retreat by the Machine Intelligence Research Institution for mathematicians and programmers with a serious interest in making technical progress on AI alignment.
2019	Bachelor Thesis Homotopical mathematics 📄, Grade: 9/10 On homotopy type theory and its relation to higher topos theory.
2018	Software project Speech2EPD 📄 We made a system which produces a electronic medical file by collecting multimodal inputs such as recorded consults and digital measurements. For this I designed and implemented a flexible microservices based architecture which served as the backbone of this system.
2016	Winner of μKP programming competition Awarded best programmer among ~280 second year CS students, Utrecht University

Experience

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

Language skills

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