Mathijs Henquet

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Technical skills

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

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 μKP programming competition
	A programming competition amongst the CS students at Utrecht University.
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.
2019	Bachelor Thesis Homotopical mathematics 🗋, Grade: 9
	On homotopy type theory and its relation to higher topos theory.
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, Ongoing
	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