

Mathijs Henquet

Technical skills

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| 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 |

Education

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

Projects and awards

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| 2016 | Winner of μ KP programming competition A programming competition amongst the CS students at Utrecht University. |
| 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 | 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 On the correctness of automatic differentiation in the presence of recursion and iteration. |

Experience

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| 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

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