

M.S.C. (Maaïke) VAN LEUKEN

PERSONAL INFORMATION

FIRST NAME: Maaïke
LAST NAME: van Leuken
PLACE AND DATE OF BIRTH: 's-Hertogenbosch, The Netherlands | 19 Augustus 1997
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EDUCATION

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| SEPTEMBER 2019 - AUGUST 2021 | Master TRU/e Cyber Security, Radboud University and TU Eindhoven , Nijmegen and Eindhoven Research Internship: <i>Building a Toolbox for Post-Quantum Rank-Based Cryptography in Sage-Math</i> , supervised by Dr. Simona Samardjiska Thesis: <i>Runaway Generators and their Parallelizability and G&D-Resistance</i> , supervised by Prof. Joan Daemen and Dr. Silvia Mella. Grade: 8.5 |
| SEPTEMBER 2016 - JULY 2019 | Bachelor Computing Science and Cyber Security, Radboud University , Nijmegen Thesis: <i>Comparing Correlation Coefficient and Difference of Means in a Differential Power Analysis Attack</i> , supervised by Prof. Lejla Batina Grade: 7.5 Propedeuse Bachelor |
| SEPTEMBER 2015 - AUGUST 2017 | Bachelor Physics and Astronomy, Radboud University , Nijmegen First-year |
| SEPTEMBER 2009 - JULY 2015 | Gymnasium, Maurick College , Vught Final Grades |

WORK EXPERIENCE

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| APRIL 2026 CURRENT | Self-Employed Entrepreneur and Consultant on Quantum-Safe Security Aiding organisations in securing their organisation against the imminent quantum threat to cryptography, through consultancy and the development of tooling. |
| JANUARY 2024 NOVEMBER 2025 | Medior Researcher and Portfolio Manager Quantum-Safe Technologies at TNO, Unit ICT, Strategy & Policy, Eindhoven Responsible for the strategy of quantum-safe technologies within TNO. This includes post-quantum cryptography, symmetric cryptography, computer-aided cryptography, cryptanalysis and cryptography migration. In this role, I coordinated the researchers, business developers and consultants working in this field, to create a streamlined strategy, whilst acquiring projects that contribute to this strategy. Additionally, I worked on setting-up the area of hardware security, which is novel to TNO. In December 2024, I presented our publication on IoC Transience at the IEEE Big Data Conference . |
| NOVEMBER 2021 DECEMBER 2023 | Junior Researcher Cryptography and Security at TNO, Applied Cryptography and Quantum Algorithms, Eindhoven I was the first employee of the “Cyber Security and Robustness” department in Eindhoven and help grow the team. I worked on several projects in the area of cryptographic hardware and their supply chain, Self-Sovereign Identities, and Post-Quantum Cryptography. In these projects, I mainly fulfilled the role of researcher, but I have also led projects, work packages and performed consultant-like tasks. Fulfilled the role of internship coordinator. I ensured continuity in the amount of interns, co-created the internship policy and topics, and checked-in with the interns regularly. Presented our novel approach to IoC transience at the OneConference 2022, pitched our work on the PQChoiceAssistant at the OneConference 2023, presented my digital wallet overview and standardisation overview at DICE#1 and contributed to the RWOT conference by comparing different verifiable credential formats. Chaired a Special Interest Group (SIG) within the standardisation body Open Wallet Foundation (OWF) on the digital wallet overview I created. |
| FEBRUARY 2020 - JULY 2021 | Student Assistant at Radboud University, Nijmegen <i>Security, Introduction to Cryptography</i> Grading Bachelor students’ homework assignments and helping during the tutorials. |
| MARCH 2016 - AUGUST 2020 | Tutor at StudentsPlus, Nijmegen <i>Physics, Mathematics and Chemics</i> Tutoring both high school students as well as students from Universities of Applied Sciences (Dutch: HBO). |

ORGANIZATIONS

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| OCTOBER 2025 CURRENT | Automaatje Son en Breugel Volunteer driver for elderly people so they can remain a part of society. |
| FEBRUARY 2022 - JULY 2022 | Buurkracht Son en Breugel Volunteer in making the neighborhood more sustainable. |
| JULY 2021 | Radboud Women of Computer Science (RWoCS), Radboud University, Nijmegen |
| SEPTEMBER 2018 | Member |
| SEPTEMBER 2018 - JULY 2019 | Thalia, Radboud University, Nijmegen Member |
| AUGUST 2015 - JULY 2017 | Marie Curie, Radboud University, Nijmegen Member |

LANGUAGES

DUTCH: Native Proficiency
ENGLISH: Full Professional Proficiency

COMPUTER SKILLS

Advanced Knowledge: Python, \LaTeX
Basic Knowledge: C(++), JAVA, MySQL, MPyC, LINUX, VHDL, Java Card, SageMath, Android Studio, Django, Git, Haskell, React, Fuzzing, Assembly

OTHER INTERESTS

Wakeboarding, hiking, biking, resistance training.
Piano, cooking, baking, DIY projects, macramé.
Board games, computer games, reading, gardening.