



PAUL SÖNTGERATH

ABOUT ME

I am a highly motivated and analytical student with a strong technical and professional foundation. I am motivated by research that combines technical depth with real-world impact. My **attention to detail** and my **ambition** is what sets me apart. In my free time I play futsal, go running, and enjoy exploring the latest technologies.

TECHNICAL SKILLS

- PHP, Python, Haskell, JavaScript, Java
- Laravel, Filament
- Machine Learning
- System Design, Data Pipelines
- Linux, Docker, Git, SQL, MATLAB

SOFT SKILLS

- Scrum
- Presenting
- Pitching
- Adaptability
- Time Management
- Leadership
- Value creation

LANGUAGES

- Dutch: Native
- English: C2
- German: B2

CONTACT

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EDUCATION

Double Master Computer Science and Engineering and Data Science & AI 09/2025 - PRESENT

Eindhoven University of Technology
Current GPA: 8.75/10

Awarded the **ALSP High Potential Scholarship** (merit-based).
Enrolled in the selective Honors Academy for Master students.

Bachelor Computer Science and Engineering 09/2022 - 07/2025
Eindhoven University of Technology

GPA: 8.75/10 | Graduation Project: 10/10 | ECTS: 227/180

Developed strong skills in programming, data structures, **system design**, algorithms, and **computer networks**. Led a team of 11 students in the design and implementation of a disease outbreak detection system for GeoSentinel, coordinating architecture decisions, data flows, and development processes. Orchestrated the project to ensure reliability and scalability. Personally awarded a **unique 10/10** for technical and organizational leadership.



WORK EXPERIENCE

Project Manager and Developer 03/2021 - PRESENT
Vallonic B.V.

Work as a full stack developer and project manager in a team of five, contributing to the design, development, and operation of production web applications. Gain hands-on experience with Laravel (including the TALL stack), WordPress plugin development, and database-backed systems. Am involved in system design decisions, reliability considerations, and deployment of applications hosted for end users. Lead project planning and execution, managing parallel deadlines, coordinating team members, and translating customer requirements into robust technical solutions.



RESEARCH EXPERIENCE & LEADERSHIP

Co-founder of Team MedAI - TU/e Student Team 09/2025 - PRESENT

Co-founded and currently chair a nonprofit student research initiative connecting academia, clinical partners, and industry to **develop AI innovations for healthcare**. Responsible for defining the research direction, establishing external collaborations, and coordinating a multidisciplinary student research team. **Secured €35,000 in funding**.

Selective Honors Research: Deep Learning for EEG-based Neurological Outcome Prediction 09/2023 - 06/2025

Bachelor Honors Academy - Eindhoven University of Technology

Conducted research on deep learning for EEG data, with a focus on building reproducible data pipelines, integrating heterogeneous data sources, and managing sensitive data in collaboration with clinical partners.

Adversarial Prompt Engineering Against Zero-Shot Detectors 09/2025 - 11/2025
Eindhoven University of Technology

Evaluated zero-shot text detectors for large language models, demonstrating robustness limitations under simple prompt engineering.



EXTRACURRICULARS

Technical Leadership - Web Committees 09/2024 - 01/2026
Various associations

As chairman of web committees of various associations, I was **responsible** for a smooth transition to a new website, while respecting members' wishes and privacy regulations. I utilised my experience to **lead** and **teach** committee members.

European Venture Programme Delegate 06/2025 - 08/2025
Eurotech Universities Alliance

Selected as a participant in a **summer programme** for startup founders with workshops, pitching, and networking.

NAHSS Delegate 02/2025 - 08/2025
Selected as a delegate in a competitive innovation programme; conducted consulting research for PwC on supply chains and innovation systems.