



Samuel Hartenstein *né Wendt*

Computer science master's student · TU Darmstadt

[Email](#) [GitHub](#) [LinkedIn](#)

ABOUT

Hi, I'm Samuel, a computer science student in Darmstadt working on augmented reality. When I'm not researching how to layer new things onto reality, I'm usually tinkering with my homelab, tuning networks and systems, or optimizing some perfectly fine part of everyday life. Offline you'll find me in a climbing gym, outside on the wall or enjoying a nice co-op game with my wife and friends.

EXPERIENCE

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| 2025 — now | Student Research Assistant · HCI Lab, TU Darmstadt
Darmstadt
Implementation and research work on augmented-reality prototypes, contributing to two CHI '26 and one UIST '26 publications |
| 2021 — 2025 | Tutor & Teaching Assistant · Computer Science, TU Darmstadt
Darmstadt
Teaching assistant for Interactions in Virtual and Augmented Realities; tutor for Software Engineering, Digitaltechnik, and Rechnerorganisation across five semesters. |

EDUCATION

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|-------------|---|
| 2024 — now | M.Sc. Computer Science · TU Darmstadt
Darmstadt |
| 2020 — 2024 | B.Sc. Computer Science · TU Darmstadt
Darmstadt |

PUBLICATIONS

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|------|---|
| 2026 | ShadAR: LLM-driven shader generation to transform visual perception in Augmented Reality
Yanni Mei, Samuel Wendt , Jonas Wombacher, Florian Müller, Jan Gugenheimer
CHI EA '26 · Video
<i>Demo — full paper conditionally accepted at UIST '26</i> |
| 2026 | Meme, Myself and AR: Exploring Memes Sharing in Face-to-face Conversation using Augmented Reality
Yanni Mei, Samuel Wendt , Florian Müller, Jan Gugenheimer
CHI '26 · Video |

SKILLS

Research	Augmented & Virtual Reality · Human–Computer Interaction · prototyping · user studies
Programming	C/C++ · Python · Rust · C# / Unity
Systems	Linux · Docker · self-hosting · networking (reverse proxy, DNS, VPN)
Languages	German (native) · English (fluent)

CERTIFICATIONS

2026	Mental Health First Aider (MHFA) Central Institute of Mental Health, Mannheim Certified 12-hour course on recognizing early signs of mental health crises and guiding people toward professional support.
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VOLUNTEERING

2026	Student Volunteer · CHI 2026 Supported the ACM CHI Conference on Human Factors in Computing Systems as an on-site student volunteer.
2018 — 2022	Youth Group Leader Group leader for children aged 9–15, and leader at the annual summer children's camp.