

TOBIAS PULLS

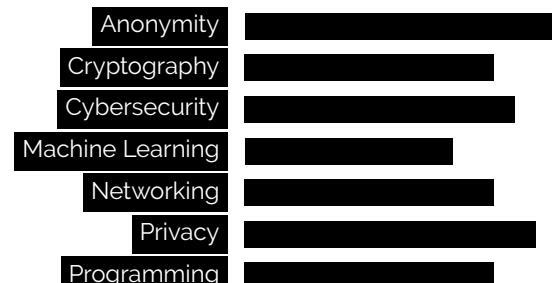
Senior Lecturer & CEO

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WHO AM I?

A cybersecurity researcher in the forests of Värmland, Sweden, that cares deeply about privacy and human rights. Working as a senior lecturer in Computer Science at Karlstad University. I have collaborated on a range of topics in research projects funded by EU (H2020, FP6, FP7, TEMPUS), Google, the NLnet Foundation, the Swedish Foundation for Strategic Research, the Swedish Internet Foundation, and the Swedish Knowledge Foundation. An engineer *and* scientist at heart—and trying not to forget that—by building as well as understanding things.



RECENT RESEARCH PROJECTS

2022 – 2026	DRIVE: Research Profile on Secure Low-Latency Communication	Knowledge Foundation of Sweden
	A long-term research profile at Karlstad University, working mostly with partner Mullvad VPN on high-performance low-latency secure communication solutions.	
2019 – 2022	PAF5G: Performance and Anonymity in Future 5G Networks	Swedish Internet Foundation
	(Ab)using multiple network paths for anonymity, traffic analysis attacks and defenses.	

SELECTED PUBLICATIONS

2026	Ephemeral Network-Layer Fingerprinting Defenses Tobias Pulls, Topi Korhonen, Ethan Witwer, and Niklas Carlsson	PETS
2025	Onion-Location Measurements and Fingerprinting Paul Syverson and Rasmus Dahlberg and Tobias Pulls and Rob Jansen	PETS
2023	Timeless Timing Attacks and Preload Defenses in Tor's DNS Cache Rasmus Dahlberg and Tobias Pulls	USENIX Security
2017	The Effect of DNS on Tor's Anonymity Benjamin Greschbach, Tobias Pulls, Laura M. Roberts, Philipp Winter, and Nick Feamster	NDSS

EMPLOYMENT AND EDUCATION

2023 – now	CEO Running an R&D lab in Karlstad in the same consortium as Mullvad VPN. Sideline occupation.	Karlstad Internet Privacy Lab AB, Sweden
2017 – now	Senior Lecturer Traffic analysis attacks and defenses for Tor, Certificate Transparency, privacy & security engineering, teaching undergrad and graduate level, supervisor (BSc, MSc, PhD). Docent in 2021.	Karlstad University, Sweden
2011 – 2017	PhD + Postdoc Authenticated data structures, Certificate Transparency, DNS, traffic analysis of Tor, Cryptography engineering, protocol design, PhD thesis "Preserving Privacy in Transparency Logging".	Karlstad University, Sweden

LANGUAGES

Swedish - native
English - proficient
German - beginner

HOBBIES

I love politics, Belgian beer, food, cakes, esports, gaming with friends, and exploring new ideas.

NON PROFIT

I help the Tor Project as a core member and support the Swedish digital rights organization DFRI.