

TUVA FALK

Civilingenjör (MSE) in Interaction & Design
B.Sc. in Computer Science

Committed to creating technology that serves people and society, combining technical expertise with ethical insight to drive responsible innovation. I thrive where technology meets humans, transforming needs into robust, high-quality solutions through clarity, collaboration, and purpose.

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SKILLS

Languages: Swedish (Native), English (Fluent)
Technical: Python, Java, TypeScript, JavaScript, React, CSS, C, C#, SQL, API, .net core, Azure, Docker.
AI & ML: Knowledge representation, RAG, Hybrid reasoning, LLM, Responsible AI, Human-AI interaction.
Design & UX: User-centered design, Usability testing, Iterative prototyping, Graphic design, Figma.
Professional: Full-stack development, Agile product development , CI/CD, Git, MVP-driven development.

EDUCATION

Civilingenjör (MSE) in Interaction Technology & Design | Umeå University | 09/2021-01/2026
Combines technical expertise in computer science with a deep understanding of user behavior. Focus areas include system development, databases, AI methods, interaction design, and project management. I bring creativity, technical fluency and structure to developing solutions that truly support users in their goals.

EXPERIENCE

Technology Ethics Research Intern | Ericsson | 06/2025 – ongoing
I mapped emerging regulations shaping future technology use cases, conducting 6 expert interviews to translate complex insights into value-creating use cases. I benchmarked 21 commercial risk assessment tools and developed a concept tool for tech ethics assessment in applied workflows presented internally.

Responsible AI Research Intern | AI Policy Lab at Umeå University | 08/2024 – 02/202
Produced a research paper, policy brief and poster awarded **Best Paper, Student Conference in Computing Science 2025.** The work included analyzing 27 AI policies, identifying gaps and practical opportunities and conducting research to design an AI evaluation framework merging UX methods and technical assessment.

SELECTED PROJECTS

Research Project | TAIGA at Umeå University | 05/2025 – ongoing
Exploring methods for modelling diverse ways of knowing through traditional AI to strengthen hybrid reasoning AI models to promote more sustainable development in the Arctic.

Business Process Modeling | Software Development course at Umeå University | 04/2025 – 06/2025
I acted as product owner, managing priorities, agile sprint planning, development and delivery in a cross-functional team. Outcomes include co-authorship of a demo paper awarded **runner-up at BPM 2025.**

LEADERSHIP & COMMUNITY

Voluntary work at NTK Student Union | 07/2022 – ongoing
I was awarded the **Student Union's Award for Honorable Contributions in 2025**. I organized 5+ industry–academia events, with a focus on improving inclusivity for women in computer science. By managing social media and creating a new graphic profile, I increased online engagement by 187%. I also contributed to restructuring the board's organization, ensuring better resource distribution and capacity.