Tavo **Annus**

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Experienced software developer with interests in compilers, software archidecture, Robotics and DevOps

Education

TalTech – Tallinn University of Technology		*Tallinn, Estonia*
MASTER OF COMPUTER SCIENCE		*2021 - 2024*

- GPA: 5.0/5.0
- Thesis: Term Search in Rust
- Courses: Data Mining | Machine Vision | Software Verification | Logical Programming

F# R Rust C Prolog Python Java Kotlin C# Idris2

Professional Experience

Pikker Technology — *Tallinn, Estonia*
SOFTWARE DEVELOPER — *2025 - Present*

- In charge of full-stack solution for tracking courses for Ettevõtluskeskus

Kotlin Svelte

Milrem Robotics — *Tallinn, Estonia*
SENIOR SOFTWARE DEVELOPER — *2020 - Present*

- In charge of THeMIS UGV platform software, mainly generator and motor control
- One of the main contributors to design of external interface
- In charge of 8x8 UGV platform high-level systems, vehicle mock and CI/CD

C++ Rust ROS2 Zenoh

TalTech - Tallinn University of Technology — *Tallinn, Estonia*
TEACHING ASSISTANT — *2019 - 2023*

- Designed some tasks and mentored students in Python, Java and Algorithms courses
- Mentored students in Game/Web Development and Robotics courses

Python Java SpringBoot CI/CD

Projects & Associations

rust-analyzer
OPEN SOURCE CONTRIBUTOR — *2023 - 2024*

- Implemented term search (proof search) functionality
- Worked with type unification, trait solving, borrow checking and code generation

veloren
OPEN SOURCE CONTRIBUTOR — *2021 - 2022*

- Improved camera clipping and camera behavior in general
- Experimented with continuous time drag calculation for physics

Publications

Annus, T., & Joram, P. (2024). Term Search in Rust. *Proceedings of the 9th ACM SIGPLAN International Workshop on Type-Driven Development*, 62–73. https://doi.org/10.1145/3678000.3678210

Skills

Languages	Estonian	English	Russian (basic)
Tech Stack	Arch	Neovim	XMonad / Cosmic Epoch
Personal Interests	Sailing / Sports in general	Psychology	Investing	Open Source contributing
Driver licences	B	BE	C	CE	T