

Tavo Annus

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



Education



TalTech – Tallinn University of Technology
MASTER OF COMPUTER SCIENCE

Tallinn, Estonia
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



TalTech – Tallinn University of Technology
BACHELORS OF SCIENCE IN COMPUTER SCIENCE

Tallinn, Estonia
2018 - 2021

- GPA: 5.0/5.0
- Thesis: Development of Time Tracking and Visualization System for Programming
- Courses: Web Systems Development | Game Development | Robotics | Functional Programming

Python Java Kotlin C# Idris2

Professional Experience



Milrem Robotics
SENIOR SOFTWARE DEVELOPER

Tallinn, Estonia
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 and CI/CD

C++ Rust ROS2 Zenoh



TalTech - Tallinn University of Technology
TEACHING ASSISTANT

Tallinn, Estonia
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

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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