

# Tavo Annus

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## EDUCATION

### TALTECH

#### MSC IN COMPUTER SCIENCE

Jun 2023

Cum Laude

GPA: 5.0/5.0

#### BSC IN COMPUTER SCIENCE

Jun 2021

Cum Laude

GPA: 5.0/5.0

#### TALLINNA REAALKOOL

Grad. Jun 2018 | Tallinn

## LINKS

Github:// [kilpkonn](#)

LinkedIn:// [tavo-annus](#)

## SKILLS

### LANGUAGES

Estonian - Native Speaker

English - C1

Russian - Basic communication

### DRIVING LICENSES

B - category

Skipper license for boats up to 24m

### COMPUTER SKILLS

Linux user

Editors

Neovim • CLion/IntelliJ • VSCode

### LANGUAGES

Advanced

Rust • C++ • Python • Java

Basic

Kotlin • GO • Idris2 • C# • F# • R

TypeScript • Prolog • Docker • MATLAB

## EXPERIENCE

### MILREM ROBOTICS | SENIOR SOFTWARE ENGINEER

July 2020 – Present | Tallinn, Estonia

In charge of software development for THEMIS UGV platform (base functionality, motor & gen. control).

Main contributor to design of external interface.

Test tooling creation (scripts and framework to simulate AI in order to test lower level systems).

Some client support for software related problems.

### TALTECH | TEACHING ASSISTANT

Sep 2019 – Jan 2023 | Tallinn, Estonia

Made some tasks + helped students at Python, Java and Algorithms courses.

Helped students at Robotics course.

Mentor at Java Game Dev and Web Dev courses.

### OTHER | OPEN SOURCE CONTRIBUTOR

**rust-analyzer** - Contributor to Rust official tooling. Added term search (proof search) functionality.

**neowatch** - Creator of a Rust alternative to *watch* command with addons.

**gtm** - One of the creators of an open source time tracking app (similar to wakatime).

**LonePlayer** - One of two creators of 2D platformer game.

**GomokuGUI** - Creator of an open source Gomoku game made for AI (*TalTech uses it for Java course assingment*).

**veloren** - Contributor to Game written in Rust, improved camera clipping, misc other minor improvements.

## RESEARCH

### TALTECH LOGIC AND SEMANTICS GROUP | MSc STUDENT

September 2023 – June 2024 | Estonia

Worked under supervision of **Philipp Joram** to add automatic proof search coda action to Rust official tooling. Publication at [1].

## HOBBIES

Sailing - national champion

Sports is general, Investing,

Open source contributing,

Linux Customization

## PUBLICATIONS

- [1] T. Annus and P. Joram. Term search in rust. In *Proceedings of the 9th ACM SIGPLAN International Workshop on Type-Driven Development*, TyDe 2024, page 62–73, New York, NY, USA, 2024. Association for Computing Machinery.