

Evo Annus

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EDUCATION

TALTECH

BSc IN PRODUCT DEVELOPMENT
AND ROBOTICS
2020 - 2023 | III year
GPA: 5.0
Done 156 ECTS

TALLINN SECONDARY SCHOOL OF SCIENCE

Natural Sciences, Programming
2017 - 2020
Silver medal

VIIMSI SECONDARY SCHOOL

2008 - 2017

LINKS

Portfolio
Github

SKILLS

LANGUAGES

Estonian - Native Speaker
English - C1
Russian - Basic communication

DRIVERS LICENSES

B - category

ENGINEERING SKILLS

MECHANICS

CAD / CAM
Solidworks • Siemens NX • Solid Edge
Welding
MIG/MAG • Shielded metal arc welding

ELECTRONICS

Soldering
Arduino
STM32 nucleo

PROGRAMMING

Python
C
Matlab

EXPERIENCE

NEPTUNE FIRST | MECHANICAL ENGINEER

April 2022 - Present

- We are developing a device Trimemory, that makes possible exact sail curvature measurements and therefore it's possible to optimise the sail shape.
- Designing parts with **Solidworks** and then using **3D printing** to make the parts.
- Optimising **the production process** for that device.
- Changing the design of the device to minimize production cost and to increase durability of the device.

MILREM ROBOTICS | MECHANICAL ENGINEER

July 2022

- Designed Tethered Follow-Me device for THeMIS using **Solidworks**.
- Mandatory parts for prototype were **3D printed**.
- Chose prebuilt details to minimise the amount of specially designed parts.
- Assembled the final product and mounted it onto THeMIS.
- **Tested** the final product and changed the design as needed.

KITMAN THULEMA | MECHANICAL DESIGN ENGINEER

Juuni 2022

- Made drawings and 3D models for **sheet metal** and **wood** products using **Solid Edge**.
- Chose **materials** and **production processes** for products.
- Was responsible for printing details with **3D printer**.

PROJECTS

ELECTRICAL SKATEBOARD | PERSONAL PROJECT

2021 - 2022

- I began working on this project because I wanted to make a skateboard that doesn't require a remote to control its speed.
- Speed controlling is made possible by using **strain gauge** sensors, that are mounted on the trucks.
- **Arduino** is used to process the data coming from sensors and to output the required PWM signal for motor speed controlling.

AUTONOMOUS BOAT | ROBOTICS CLUB PROJECT

2022

- As a group we designed and built a boat, that has to complete a lap on the track as fast as possible.
- Boat hull is modeled in **Solidworks** and **3D printed**.
- Electronics is controlled by **STM32 nucleo f303k8**, which is programmed in **C language**.
- Controller gets the data from **IR sensors**, that measure the distance from an object. An optimal driving path can be calculated using this data.