# 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 drafts 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.