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

PROJECTS

3D BIKE MODEL | School Project
2020
- As a group project we designed and modeled bicycle using **Solidworks CAD** software.
- I personally modeled derailleur, break, saddle and chain. I also modeled some less significant details.
- Our bicycle was the second-best project that year.

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.
- During this project I learned **soldering**, **motor speed controlling**, using **strain gauges** and **Arduino** programming.

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.

HOBBIES

Sailing - Competing for National Team
Investing, Reading