Evo Annus

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EDUCATION

TALTECH
BSc in Product development and Robotics
2020 - 2023
GPA: 5.0
Cum Laude

TALLINN SECONDARY SCHOOL OF SCIENCE
Natural Sciences, Programming
2017 - 2020
Silver medal

VIIMSI SECONDARY SCHOOL
2008 - 2017

LINKS

LinkedIn
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
3D printing
FEM
Hydraulics / Pneumatics

Electronics
Soldering
Microcontrollers

Programming
Python • C • C++
Java • Matlab

EXPERIENCE

CYBER COMMAND ICT CENTRE | Software Developer
September 2023 - Present

- I am working on a web application that enables the generation of configuration files for different switches and routers.

NEPTUNE FIRST | Mechanical Engineer
April 2022 - Present

- We are developing a device TrimSense, 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 the device.
- Changing design of the device to minimize production costs and increase durability of the device.
- Selecting components and establishing **communication with companies** to fabricate the necessary parts.

MILREM ROBOTICS | Mechanical Engineer
July 2022

- Designed Tethered Follow-Me device for THeMIS using **Solidworks**.
- Mandatory parts for the 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
June 2022

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

PROJECTS

ELECTRICAL SKATEBOARD | Personal Project
2021 - 2023

- 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 for processing the data coming from sensors and to output the required PWM signal for motor speed control.

TALTECH STUDENT SATELLITE | Mechanical Engineer
2022 - 2023

- As a team, we constructed **a PocketQube** satellite aimed at testing a novel type of solar panels and gathering samples of lunar dust.
- With the help of **Solidworks**, I designed the wings for the satellite, which serve as the mounting point for solar panels.
- Helped to solve other mechanical and product development related questions.