MICHAŁ KRĘPA

Mechatronics Engineer (B.Eng)

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in

EXPERIENCE

Technical Student - Software Engineering

CERN, European Council for Nuclear Research, Geneva

📅 Oct 2021 – Sep 2022   📍 Geneva, Switzerland

- I have worked on the Front End Software Architecture (FESA) framework. The framework allows operators of particle accelerators to measure data from sensors planted inside. I contributed to this project by implementing both unit and integration tests and developing a thorough rework of the notification system. The work was performed using largely C++11, with the addition of Python for code generation and Java for UI-related issues.

Mechanics Team Member

AGH Dynamics, Krakow

📅 Dec 2020 – Present   📍 Krakow, Poland

- My responsibility was to design the housing, and the legs of the quadripedal robot and its assembly. I have also helped other friends in programming IMU sensors to get the correct position of the robot.

1st-Line support

Integer.pl, Krakow

📅 Jun 2020 – Feb 2021   📍 Krakow, Poland

- I have worked on an application, which purpose was to receive given logs from parcel-machines. During this experience, I had a chance to sharpen my programming skills, chiefly C++.

Power Supply Team Member

E-Moto AGH, Krakow

📅 Oct 2019 – Jun 2021   📍 Krakow, Poland

- In E-Moto AGH we create electric motorcycles. As a part of the team, I was responsible for the mechanical design and assembly of the battery pack.

LANGUAGES

English   ●●●●●
French   ●●●○○
Polish   ●●●●●

EDUCATION

MSc Robotics Engineering

Universitá degli Studi di Genova

📅 Oct 2023 – July 2024   📍 Genova, Italy

- Faculty: DIBRIS - Dipartimento di Informatica, Bioingegneria, Robotica e Ingegnieria dei Sistemi

B.Eng, Mechatronic Engineering

AGH University of Science and Technology

📅 Oct 2018 – Feb 2023   📍 Krakow, Poland

- Faculty: Mechanical Engineering and Robotics

- English as the instruction language

Erasmus+ Exchange Programme

Hogeschool Utrecht

📅 Feb 2021 - Jul 2021   📍 Utrecht, Netherlands

- Course of Study: Social Robots

SKILLS

C, C++   ●●●●○
Python   ●●●○○
Linux   ●●●○○
Bash   ●●●●○
CAD Design   ●●●●○
Matlab/Simulink ●●●○○

INTERESTS

Technical

- Quadripedal Robots

- Aerospace - Satellites

Hobbies

- Music production

- Swimming