

Paweł Pietrzak

studia.pawla.pietrzaka@gmail.com | +48 668 460 128

Education

2019 - now **Warsaw University of Science and Technology**

Faculty of Power and Aeronautical Engineering
Aerospace Engineering (IV semester)

Internships

Summer 2020 **TeFeNICA 2020: Joint Institute for Nuclear Research, Dubna, Russia (remote)**

Project topic: Cosmic ray measurements in automation cycle using Python programming

I created an application that receives, archives and visually presents data transmitted by a cosmic ray CosmicWatch detector

Main problems to solve: serial communication, data processing and visualisation, design and implementation of graphical user interface

I learnt about issues related to the source, propagation and detection of cosmic radiation

I presented my project at the final seminar in English

Projects

SKA Students' Space Association (Studenckie Koło Astronautyczne)

Thermal analysis of a balloon gondola in preparation for the Association participation in BEXUS programme (Balloon-borne Experiments for University Students)

Skills

2D&3D CAD: AutoCAD, Creo Parametric, Siemens NX

Programming: Python (advanced), C (basic)

Languages: Polish (native), English (C1), Russian (A2)

Interests

Cosmic radiation, ultralight planes, sci-fi

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