

CONTACT

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in Filip Ciader

☎ ask me in LinkedIn

📍 kilogrampaliwa

EDUCATION

Wrocław University of Science and Tech

PWr

Faculty of Mechanical and Power Engin.

>Mechanical Engineering of Power Machines (Aerospace Engineering)

MSc(E)

>Mechanical Engineering (Aerospace Engineering)

BSc(E)

Faculty of Mechanical Engineering

>Mechatronics

BSc(E)

University of Economics in Katowice

UEKat

In progress...

>Economics

BAEcon

PROGRAMMING LANGUAGES

Python

JavaScript

html, css

C++

Robotic Languages

FILIP CIADER

Your future specialist.

Python programmer, ready to learn your technologies and approach.

TARGETED CAREER PATH

Target

My career ambition is to become an experienced developer while mastering effective planning techniques. I'm dedicated to fluency in relevant technologies, especially in ML and AI implementation. Looking ahead, I envision myself transitioning into roles such as product owner, solution planner, or specialized team manager.

Yet Considered Paths

Paths Already considered. I'm open to new ideas.

> Data Engineering

Working directly in data industry, using mainly python, it's libraries and other solutions to implement improvements and enhance craft skills

> Python Scripting

I consider to take a job in any python industry and develop further skills in this environment. I'm open especially for engineering, finance and analytics.

> Backend Development

As backend development includes code scripting on the lower end and architectural planning on the higher, having practice in this industry I'll adjust my career to further branch development.

WORK EXPERIENCE

Database Modeling Specialist Viessmann

05.2023 - ?

Enhancement of the ODX signal database (XML), including proficiency in utilizing the KPIT DatabaseDeveloper tool. Scripting in Python for managing XML formats effectively.

Robotics Programmer Qt - Swiss

19.2022-05.2023

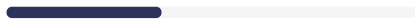
Offline - Simulation of processes using Dassault DELMIA software for Mercedes-Benz Group AG. Online - Implementation work at the Mini BMW factory in Oxford.

Building a workstation for the project. Wrocław University of Technology

06-10.2021

Programming in Python and C++/Arduino. Utilization of SPI and USB communication protocols. Development of a graphical user interface application. Design and creation of electronic controllers.

Matlab



DATABASES

JSON



SQL



XML



spreadsheets

CSV, xls



TECHNOLOGIES

tkinter

Python



sklearn

Python



matplotlib

Python



numpy

Python



pandas

Python



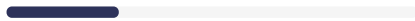
flask

Python



django

Python



bootstrap

html/css



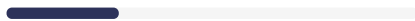
git

bitbucket



jenkins

upload.



prot. SPI/I2C/USB

Arduino



LANGUAGES

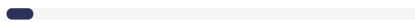
English

Fluent



German

Beginner



Intern, Editorial Assistant for Training Materials
Evionica, Warszawa

08-09.2020

Editing and creating multimedia training materials for international airline pilots and aviation schools. Proficient in utilizing Articulate Storyline and graphic design software such as Figma.

Intern, Quality Control.

09.2019

Leonardo PZL Świdnik, Świdnik

Quality control of helicopter fuselages. Working with technical documentation. Familiarization with production processes related to composite materials, metallurgy, and organizational methodologies.

PROJECTS

These are my biggest, educational projects. For smaller up-to-date ones please consider visiting my github profile. They will appear on an ongoing basis.

Investigation of Orbital State Estimation Algorithms for Low Earth Orbit Satellites - Master's Thesis

2021-2022

For the purpose of this thesis, a system was developed encompassing the generation of satellite orbital state trajectories, addition of Gaussian noise, and filtering using the Kalman filter.

Preliminary Project of Unmanned Aerial Vehicle Flight Control System - Bachelor's Thesis

2020-2021

As part of the project, a control station for an unmanned aerial vehicle was designed. Technical drawings of mechanical components were created, and an automated operating scheme for onboard control elements was established. Additionally, a test version of an application simulating the operation of an artificial horizon was developed.

Development of a Railway Traffic Control Station Model - Bachelor's Thesis

2020-2021

The outcome of this project remains a didactic station for learning the basics of railway traffic control. The work encompasses dependency diagrams, technology selection, application prototyping, connection schematics, and the creation of a program considering a table of logical dependencies. Following development, the station was constructed for the needs of Wroclaw University of Science and Technology.

Project CORO

2019-2020

Participation in an inter-university project between Wroclaw University of Science and Technology and Wroclaw Medical University aimed at creating an electronic stethoscope to facilitate diagnosis. The project was recognized at the "Forum of Young Masters" during the XXVI Teleinformatics Forum.