

# Dominik Stasiak

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## EDUCATION

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Silesian University of Technology  
Aerospace engineering

October 2023 – present

Silesian University of Technology  
Technical Physics

October 2024 – present

## SKILLS AND TECHNOLOGIES

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**Programming:** C, C++, Python, (PyQt, Django, Flask, Pygame), SQL (MySQL, SQLite3), HTML, CSS

**Operating systems:** Windows, Linux (Ubuntu, Arch)

**Tools:** Docker, Git, CMake, VS Code, MatLab, Autodesk Inventor

**Languages:** Polish – native, English – advanced, Spanish – basic

## WORK EXPERIENCE

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Silesian Aerospace Technologies – Student Association

November 2023 – present

- Wind tunnel project: construction and electronics design
- Writing C++ code for rocket onboard computer (Arduino)
- Learning electronics and embedded programming

## PROJECTS

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**Arch installer - polish translation**

- Completing and correcting the Polish translation of the official Linux Arch installer

**SAT – wind tunnel**

- Construction and 3D printing of wind tunnel intended for research on rocket aerodynamics
- Selecting electronics and sensors

**Swallow (C, CMake, C++) - <https://github.com/dominikstas/Swallow>**

- Command-line interface tool designed to interact with an microcontrollers (currently only Arduino UNO 3)
- Wrote in C, supporting code for Arduino in C++ and C
- Created to provide a streamlined way to control and test embedded functionalities for UAV's

**Moritat (C, CMake) - <https://github.com/dominikstas/Moritat>**

- Create command-tool to help with compiling Ada projects
- Basic support of C and C++
- Make interface for common development tasks such as directory navigation or listing folders.

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