

# Michał Barciś

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## Education

### University of Klagenfurt

*PhD, Robotics*

Topic: "Information Distribution in Multi-Robot Systems" with main focus on UAVs.

**Klagenfurt, Austria**

*2017–present*

### University of Wrocław

*Master studies, Computer Science*

**Wrocław, Poland**

*2015–2016*

### University of Wrocław

*Bachelor studies, Computer Science*

**Wrocław, Poland**

*2012–2015*

### Robert Gordon University

*BSc (Hons), Computer Science*

The studies were continued at the University of Wrocław.

**Aberdeen, United Kingdom**

*2010–2012*

### XIV Liceum Ogólnokształcące

*Highschool*

A class related to Computer Science, focused on algorithms and data structures.

**Wrocław, Poland**

*2007–2010*

## Related experience

### University of Klagenfurt

*Senior Scientist*

Researcher in a multi-disciplinary project on 3D reconstruction using swarms of UAVs with main focus on communication. Created multiple practical demonstrators with different UAV platforms.

**Klagenfurt, Austria**

*10.2017–07.2021*

### STX Next

*Senior Python developer*

Worked as a Python developer in the biggest Python software house in Europe.

**Wrocław, Poland**

*12.2016–09.2017*

### The Continuum Student Research Group

*Programmers' team leader*

Led the team of programmers during the creation of Aleph 1 Mars Rover at the University of Wrocław. Its greatest success is the **second place** on the *University Rover Challenge 2017*, where it competed against over 60 robots from the whole world.

**Wrocław, Poland**

*03.2015–07.2017*

### University of Wrocław

*Researcher*

Researcher in a speech indexing and retrieval collaboration between Neurosoft Sp. z o.o., University of Wrocław and Wrocław University of Technology (project Audioscope). Main task: development of a regular-expressions based language model to be used as part of the speech recognition pipeline.

**Wrocław, Poland**

*07.2015–10.2016*

### Związek Harcerstwa Polskiego

*Senior programmer*

A **volunteer** in the New Technologies Department (WNT) of Polish Scouting and Guiding Association (ZHP). In a group of 5 people created and managed a web application written in Python (Django) used each year by thousands of scouts to register for various events.

**remotely**

*10.2007–03.2015*

### University of Wrocław

*Linux system administrator*

Managed computers' operating systems during two prestigious Polish programming contests.

**Wrocław, Poland**

*2014, 2015*

## Professional skills

**Programming:** Python, C++, Java, JavaScript.

**Technologies:** NS-3, ROS 2, DJI SDK, PX4, OptiTrack,  $\LaTeX$ , Django, Linux, Bash scripting, React, git, Jira.

**Languages:** Polish (native), English (fluent), German (intermediate).

## Additional interests

**Hiking:** Completed the hike around Jelenia Góra valley — 146 km in 37 hours (on foot, without a break).