Michał Barciś

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Education

University of Klagenfurt	**Klagenfurt, Austria**
PhD, Robotics	*2017–present*

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

University of Wrocław	**Wrocław, Poland**
Master studies, Computer Science	*2015–2016*

University of Wrocław	**Wrocław, Poland**
Bachelor studies, Computer Science	*2012–2015*

Robert Gordon University	**Aberdeen, United Kingdom**
BSc (Hons), Computer Science	*2010–2012*

The studies were continued at the University of Wrocław.

XIV Liceum Ogólnokształcące	**Wrocław, Poland**
Highschool	*2007–2010*

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

Related experience

University of Klagenfurt	**Klagenfurt, Austria**
Senior Scientist	*10.2017–07.2021*

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.

STX Next	**Wrocław, Poland**
Senior Python developer	*12.2016–09.2017*

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

The Continuum Student Research Group	**Wrocław, Poland**
Programmers' team leader	*03.2015–07.2017*

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.

University of Wrocław	**Wrocław, Poland**
Researcher	*07.2015–10.2016*

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.

Związek Harcerstwa Polskiego	**remotely**
Senior programmer	*10.2007–03.2015*

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.

University of Wrocław	**Wrocław, Poland**
Linux system administrator	*2014, 2015*

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

Professional skills

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

Technologies: NS-3, ROS 2, DJI SDK, PX4, OptiTrack, LaTeX, Django, 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).