Michał Barciś

☎ +48 664 222 497   ●   💬 mbarcis@mbarcis.net

Education

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

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

Robert Gordon University   **Aberdeen**
BSc (Hons), Computer Science   *2010–2012*
The studies were continued at the *University of Wrocław*.

XIV Liceum Ogólnokształcące   **Wrocław**
Highschool   *2007–2010*
A class related to Computer Science, focused on algorithms and data structures.

Related experience

STX Next (Python) (scrum) (agile)   **Wrocław**
Senior Python developer   *12.2016–present*
Worked as a Python developer in the biggest Python software house in Europe.

The Continuum Student Research Group (robotics) (ROS) (Python) (success)   **Wrocław**
Programmers' team leader   *03.2015–07.2017*
Took part and coordinated programmers' work during the creation of the `Aleph 1 Mars Rover` made at the *University of Wrocław*. Its greatest success is the **second place worldwide** on the *University Rover Challenge 2017*, where it competed against over 60 robots from the whole world.

University of Wrocław (machine learning) (finite automata) (regular expressions) (nlp)   **Wrocław**
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 (Python) (self-motivated) (volunteer)   **remotely**
Senior programmer   *10.2007–3.2015*
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 (Linux) (bash) (responsibility)   **Wrocław**
Linux system administrator   *2014, 2015*
Managed computers' operating systems during two prestigious Polish programming contests.

Yearbook Machine Limited (teamwork) (scrum) (multicultural)   **London**
PHP developer   *07.2013–09.2013, 07.2014–09.2014*
Worked as a PHP developer on the on-line application used to create yearbooks.

Skills

Programming: Python, C, **C++**, Java, JavaScript, PHP, basics of Haskell and Prolog.

Technologies: Django, Linux, **ROS**, HTML5, LaTeX, Bash, PostgreSQL, NoSQL, **git**.

Languages: Polish (native), **English** (good), German (basics).

Additional activities

Skiing: Experienced skier and a qualified skiing instructor.

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

Michał Barciś

📠 +48 664 222 497 • 💬 mbarcis@mbarcis.net

July 10, 2017

Dear Committee Members,

I am writing to you in order to express my interest in the Doctoral Student Position entitled "Networked Autonomous Aerial Vehicles" (423H/17). Due to my fascination in robotics, I was regularly scanning the ros.org website and was thrilled to find there such an interesting doctoral position offer.

During my experience with ROS I have had an honor to coordinate the team of programmers during the development of the Aleph1 Mars Rover in the Continuum student's research group at the University of Wrocław. We have managed to successfully build and program the robot and compete with other teams from around the world. Our greatest success is the second place on the University Rover Challange in Utah, USA.

In addition to having a practical experience of working in the field of robotics in academia, I also have had a chance to be a part of the Audioscope scientific project at the University of Wrocław. The aim of our research was to create a speech indexing and retrieval system. I have contributed to the project by writing a master thesis about the use of regular expressions on the audio data. In order to complete it, I needed to extensively use various machine learning techniques and be able to process and analyze terabytes of data.

I enjoy sharing my knowledge with others. I often have been a spokesperson for the Aleph1 project — presenting the ideas behind ROS, the rover we have built, etc. during various events at the University. Last February I have been a speaker on TEDx Bydgoszcz and currently I am preparing for a talk at PyCon PL.

Since almost ten years I am a skiing instructor. During the whole last winter I was helping a group of young people to prepare for theirs skiing exams — all of them passed and are now also skiing instructors.

I hope this brief summary of my experience presents me as a person with strong qualifications for research positions in the field of robotics. I would enjoy a chance to discuss both my experience and the position further in person in the following weeks. In the meantime, I am enclosing my curriculum vitæ, transcript of records from the University of Wrocław and my Master's thesis. Thank you very much for your consideration.

Yours faithfully,

Michał Barciś

Attached: curriculum vitæ, transcript of records, Master's thesis