Michał Martusewicz

BEng

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Education

2019–	**University of Wrocław**, *Computer science studies, MSc*, Wrocław, Poland.
2015–2019	**University of Wrocław**, *Computer science studies, BEng*, Wrocław, Poland.
2015	**English course**, *Atlantic Language School*, Galway, Ireland. Upper intermediate level
2015	**Laureate of Regional Science Olympiad**. Physics
2015–2019	**Secondary School no. III**, Wrocław, Poland.
2012	**Laureate of Regional Science Olympiad**. Physics and Biology, Finalist in Mathematics, Chemistry and Geography

Work experience

Nov 2018–   **Software developer and data scientist**, *Cloudflight Germany GmbH (formerly Catalysts Deutschland GmbH)*, Frankfurt, Germany.

Projects:

- **Airport luggage recognition and measuring system:**
  - Creating proper image dataset
  - Image recognition (Python, TensorFLow, object detection API, Docker)
  - Creating point clouds using Intel rgbd cameras and regular rgb cameras (PyRealSense, NumPy, matplotlib and other)
- **ShowMySize app** by Twinster - an app that measures the body's size and suggests suitable clothes:
  - Creating backend of the app (Django, REST API for Django, Postman for testing)
  - Working with Amazon Rekognition
- **Connecting two databases without common identifiers:**
  - Using various NLP (natural language processing) approaches
  - Created web app for presentation the results in 3 days (Django, Bootstrap)
- Managing summer interns for a short time

Nov 2018–   **Organizing Catalysts/Cloudflight Coding Contests**, *Open programming contest for university and high school students*, Wrocław, Poland.

The contest is used as a promotion and recruiting tool in Cloudflight/Catalysts. I have co–organised 3 events, with more than 70 people per event

Summer 2018	**Internship**, *Catalysts Deutschland GmBh*, Frankfurt, Germany.

Developing software for special satellites orbiters types
- Simulating satellite orbits (GMAT, OreKit, Python, Docker)
- Live tracking and visualization (NumPy, MatPlotlib)
- predicting possible collisions

2016–2017	**Web Administrator**, *Foundation for the Development of Wrocław University of Economy*, Wrocław, Poland.

Reformatting web page hosted on WordPress with additional js customization (HTML, CSS, JS) - `http://fundacja.ue.wroc.pl/`

Sep 2015	**Internship**, *Parker Hannifin Manufacturing Poland*, Siechnice, Poland.

Lean & Production internship

Bachelor of Engineering thesis

title	Agile development of an application supporting the tube fittings manufacturing management
description	The subject of the thesis was creating a project and managing it using Scrum development framework and Unified Modeling Language. As a result of the project, an application supporting production management in Parker Hannifin Manufacturing Company in Siechnice was designed, implemented and installed.

Skills

Languages

English	Businesses fluent
German	Basic

Computer skills

Advanced level	Python, Django, ML
Medium level	NLP, Bash, Git, Lua, C/C++, Ruby, PostgreSQL, LATEX, HTML + CSS + JavaScript, Bootstrap
Basic level	C#, Java, OCaml, Julia, Nim, Haskell, Prolog

Interests

New / emerging technologies

Ballroom dancing, running, hiking, skiing, sailing, travelling