



## Paweł Rzońca

### Curriculum Vitae

## PERSONAL DETAILS

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Birth	May 28, 1994
Phone	(+48) 780 044 751
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Webpage	galeonad.github.io

## EDUCATION

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### PhD in Physics

Present

*AGH University of Science and Technology*

Faculty of Physics and Applied Computer Science.

Field: Modeling of 2D and 3D Maxwell equations systems

Supervisor: dr. hab. Andrzej Kułak

### MSc in Physics

2017-2018

*AGH University of Science and Technology*

Faculty of Physics and Applied Computer Science.

Thesis: "*Badanie krzywych chronometrycznych w kontekście hipotezy zegara*"

(*Research on chronometric curves in the context of the clock hypothesis*).

Supervisor: dr. hab. Łukasz Bratek

### BSc in Physics

2013-2017

*AGH University of Science and Technology*

Faculty of Physics and Applied Computer Science

Thesis: "*Uogólniona transformata Wignera-Weyla*" (*Generalized Wigner-Weyl transform*).

Supervisor: dr. hab. Bartłomiej Spisak

Awarded with academic performance scholarship on every year of study. Student of many additional courses including image processing and analysis, asymptotic methods, topology, nonlinear analysis and differential geometry.

## EXPERIENCE

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### Participant in IT conference

15 Jun, 2018

*4Developers 2018*

Site of the event: [4developers.org.pl](http://4developers.org.pl)

### Participant in scientific conference

27 - 29 Jun,  
2018

*XVIII Spotkanie Ogólnopolskiego Klubu Demonstratorów Fizyki*  
(*XVIII Meeting of Polish Physics Demonstrators Club*) Toruń

Presentation topic: *Presentation of SKNF Bozon constructions*

### Trainee

6 Jun 2018

*Machine Learning and Deep Learning workshop at IBM*

## Intern

4 April -30  
Jun, 2018

### *Educational Student Internship at IBM*

Implementation and validation of an algorithm for unsupervised video semantic partitioning using IBM Watson and topic modeling

Supervisor: Alexandre Quemy

## Participant in scientific conference

10 May 2018

### *55. Conference of AGH Student's Scientific Circles*

Presented topic: "Wahadło Kapicy" (*Kapiza's pendulum*)

Supervisor: dr. hab. Vladimirov Vsevolod prof. AGH

## Participant in scientific conference

30 May -  
3 Jun, 2017

### *Spectral Theory and Applications (STA 2017) Kraków,*

Site of the event: [www.sta2017.wms.agh.edu.pl/en](http://www.sta2017.wms.agh.edu.pl/en)

## Trainee

8-17 Jul 2015

### *Summer School Motorola II*

Training course included Image Analysis, Cloud Computing and Parallel Computing.

One of supervisors: dr Krzysztof Misztal

## Member of the Scientific Society

2013-2015

### *SKNF BOZON*

Active participation in conferences and seminars and science picnics.

([www.bozon.fis.agh.edu.pl](http://www.bozon.fis.agh.edu.pl))

## Participant in scientific conference

7 May 2015

### *52. Conference of AGH Student's Scientific Circles*

Presentation topic: "Ferro-fluid - make your own intelligent magnetic fluid"

Supervisor: prof. Czesław Kapusta

## SKILLS

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### *Languages*

Polish (Native)

English (Upper-Intermediate)

### *Software*

Python, C/C++, Git, Mathematica, Matlab, L<sup>A</sup>T<sub>E</sub>X, VIM

### *Operating Systems*

Linux

### *Soft skills*

problem-solving, logical and analytical thinking, quick learner

## INTERESTS

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solving puzzles, math tricks, electronics, data science

## **REFERENCES**

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Available upon request

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