



Maciej Wozniak

Profile

Passionate engineer, developing in areas of data science, machine learning and computer vision.

Employment History

Research Assistant, Miami University, Oxford, OH

AUGUST 2020 — PRESENT

Working in Professor Giabbanelli's research group on various applications of machine learning and computer vision. Co-teaching undergraduate courses.

Mechanical Engineer, Kubor, Aveiro/Portugal

NOVEMBER 2018 — DECEMBER 2019

Creating computer vision and optimization solutions for the industry. Designing and constructing working stations for factories across Europe.

Project engineer, Triangles, Agueda/Portugal

DECEMBER 2017 — JULY 2018

Designing parts of machinery used in the production of complex bicycle frames. Implementing the hydroforming process into production.

Research assistant, MISIS, Moscow/Russia

FEBRUARY 2017 — JUNE 2017

Investigating the influence of magnetostriction on damping properties of various Fe- Ga alloys in Professor Golovin research group.

Constructor and designer (freelancer), WJ Marine, Poland

OCTOBER 2016 — APRIL 2017

Designing industrial machines and working stations.

Younger Constructor (internship), Food Robotics, Poland

OCTOBER 2016 — DECEMBER 2016

The 2-months project focused on R&D of a prosthetic wrist.

Education

Master, Miami University, Oxford, OH

AUGUST 2020 — PRESENT

Master's degree in computer science focused on Machine Learning and Computer Vision.

Master, Universidade de Aveiro, Aveiro/Moscow

FEBRUARY 2017 — OCTOBER 2019

Master's degree in Mechanical Engineering with 6 months of research at MISIS.

Bachelor, Wroclaw University of Technology and Science, Wroclaw

OCTOBER 2013 — JANUARY 2017

Bachelor's degree in Mechanical Engineering, one year exchange in Portugal.

Details

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Links

[Portfolio](#)

[Github](#)

[Publications](#)

Skills

Python/Matlab

Machine Learning, Deep Learning, Computer Vision

Data Analysis/Data processing/Visualization

Git

C/C++/Java/ROS

CAD (Solidworks, Inventor, Creo, Catia, Fusion360, Autocad)

CAE (Abaqus, Ansys, Fluent)

Prototyping/3D printing

Languages

Polish

English

Portuguese

Spanish

Russian

Hobbies

Water and winter sports, climbing, photography