

# Hubert Kuczwara

12th september 1989

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www.github.com/HiK121/

## Skills -

\*\*Office software:

\*\*Office( \*\*Word \*\*Excel \*\*Power Point),

\*\*LibreOffice, \*\*Windows

Simulations:

\*\*AMESim \*\*Simulink \*DELMIA

PLC programming:

\*\*Siemens: TIA Portal (LD, FB, SCL),

\*AllenBradley: Studio5000 (LD, ST)

Script programming:

\*\*MS Visual Studio( \*C/C++

\*\*Python), \*\*Matlab

CAD:

\*\* CATIA

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# Languages

Polish Native English B2/C1German A1

## Certificates -

Driving license, B category

Polish Electricians Association (SEP) certification -

- operation up to 1 kV 02.2024

valid to

10.2015

### Work experience

present--07.2018 (1 year

10 months)

Specialist in design and programming

Primetals Technologies

• PLC Programming (TIA Portal, Studio5000) • Testing of stations, cabinets, devices - I/O check (TIA Portal, Studio5000)

• Testing and commisioning of devices (TIA Portal)

09.2016 --03.2014(2 years)

Wrocaw University of Technology Project participant Project "Develop innovative solutions for high pressure vane pumps with integrated mechatronic electric drive"commissioned by the National Center for Research and Development

- Carry out simulation calculations of the load torque courses in the vane pump (AMESim, MATLAB-Simulink)
- Development of technological improvements for a vane pump designed for installation in an electric motor (AMESim, MATLAB-Simulink)
- Development of simulation model of pressure courses in experimental pump (AMESim, MATLAB-Simulink)
- Develop a simulation model of torque courses and pressure courses at steady and dynamic states (AMESim, MATLAB-Simulink)
- Preparation of the hydraulic measurements results of the motorpump assembly (AMESim, MATLAB-Simulink)

02.2015 -

Robotics Engineer

RW Swiss Automation

-06.2014(8 months)

- Offline programming of industrial robots (DELMIA)
- Process simulation (DELMIA)
- Preparation of documentation (DELMIA, MS Office: Word, Excel, PowerPoint)

#### Education

	Ladouton			
present- -10.2014	Construction and Operation of Machines PhD studies thesis topic: "Analyze of d variable vane pump"	Mechanical Eng. faculty Wrocaw University of Technology ynamic of vanes in positive displacement		
06.2014- -02.2012	<del>-</del>	Mechanical Eng. faculty Wrocaw University of Technology of Machines and Working Processes f control system for the mechatronic fluid		
01.2012- -10.2008	Automatic and Robotics (BSc) thesis topic: "Developmer component of car seat"	Mechanical Eng. faculty Wrocaw University of Technology at of robotic welding technology of the		
05.2015- 10.2010	Biotechnology unfinished BSc thesis thesis topic: "Application bioinformatic tasks"	Faculty of Chemistry Wrocaw University of Technology of BioPython package for automation of		

### Scholarships

"Entrepreneurship and Soft Skills Training Program for PhDs and Young Scientists" in Alberta School of Business, University of Alberta, Canada

#### Teaching

As PhD student I acquired 495 hours of didactic, teaching students in following

- 60 hours "Hydraulic elements"
- 75 hours "Machine devices and control" (15h in english)
- 360 hours "Hydraulic drive"