

Hubert Kuczwara

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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), **CAD:

**CATIA

* ** ** ** ***
[Basics Expert]

Languages

Polish Native
English B2/C1
German A1

Certificates -

Driving license, B category ---

SEP E1 do 1kV 02.2024

valid to

Work experience

present--07.2018 (1 year

3 months)

Specialist in design and programming

Primetals Technologies

Mechanical Eng. faculty

• 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) Project participant Wrocław University of Technology 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 motor-pump assembly (AMESim, MATLAB-Simulink)

02.2015- Robo

present-

Robotics Engineer RW Swiss Automation
• Offline programming of industrial robots (DELMIA)

-06.2014Offline programming of indusProcess simulation (**DELMIA**)

Construction and

 Preparation of documentation (DELMIA,MS Office: Word, Excel, PowerPoint)

Education

-10.2014 **Operation of Machines** Wrocław University of Technology PhD studies thesis topic: "Analyze of dynamic of vanes in positive displacement variable vane pump" 06.2014-Mechanical Eng. faculty Wrocław **Automatic and** -02.2012 University of Technology Robotics (MSc) specialization: Automation of Machines and Working Processes thesis topic: "The design of control system for the mechatronic fluid power pump" Mechanical Eng. faculty 01.2012-**Automatic and** -10.2008 Robotics (BSc) Wrocław University of Technology thesis topic: "Development of robotic welding technology of the component of car seat" Faculty of Chemistry 05.2015-Biotechnology 10.2010 unfinished BSc thesis Wrocław University of Technology

Scholarships

thesis topic: "Application of BioPython package for automation of

10.2015 "Entrepreneurship and Soft Skills Training Program for PhDs and Young Scientists" in Alberta School of Business, University of Alberta, Kanada

Teaching

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

60 hours "Hydraulic elements"

bioinformatic tasks"

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