Hubert Kuczwara

♡ 12th september 1989

☎ (+48) 723 490 304

@ hubert.kuczwara@gmail.com

in www.linkedin.com/in/hubert-kuczwara/

○ 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
- 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-
–06.2014
(8 months)

Robotics   Engineer
RW Swiss Automation
- Offline programming of industrial robots (**DELMIA**)
- Process simulation (**DELMIA**)
- Preparation of documentation (**DELMIA, MS Office: Word, Excel, PowerPoint**)

Education

present–
–10.2014

Construction and   Operation of Machines
Mechanical Eng. facultyWrocław University of Technology
PhD studies
thesis topic: "Analyze of dynamic of vanes in positive displacement variable vane pump"

06.2014-
–02.2012

Automatic and   Robotics (MSc)
Mechanical Eng. faculty Wrocław University of Technology
specialization: Automation of Machines and Working Processes
thesis topic: "The design of control system for the mechatronic fluid power pump"

01.2012-
–10.2008

Automatic   and   Robotics   (BSc)
Mechanical Eng. facultyWrocław University of Technology
thesis topic: "Development of robotic welding technology of the component of car seat"

05.2015-
10.2010

Biotechnology
Faculty of ChemistryWrocław University of Technology
unfinished BSc thesis
thesis topic: "Application of BioPython package for automation of bioinformatic tasks"

Scholarships

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

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Teaching

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

- 60 hours "Hydraulic elements"

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