

# ADRIAN GWOŹDZIEJ

## AUTOMATION ENGINEER



Poland



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### PERSONAL PROFILE

I am a person who is constantly seeking ways to improve my skills either by practicing, taking courses, partaking on various challenges. My preferred fields may vary, I have an Electrical Engineering background and I am experienced with an array of programming technologies and paradigms, I also enjoy machine learning and neural networks. I am looking forward to working with people from different countries.

### SKILLS AND ABILITIES

- MATLAB
- PLC programming
- Knowledge of C/C++
- Machine Learning
- Neural Networks
- Web development
- Version control system (Git)
- International collaboration
- High ambition and goal orientation

### PROJECTS

- Use of motion trajectory optimization algorithms in a web application (JavaScript + JQuery, HTML, CSS, PHP) to automatically designate running or cycling routes using Google Maps API. Work submitted for the faculty award.
- ATmega8-based accelerometer with LED-based output designed in AutoDesk Eagle and programmed in C
- Programming an elevator's PLC controller in LD to manage sensors and motors using Mitsubishi GX, as well as creating a user interface in Wonderware InTouch
- Identifying and control MIMO physical heater in Simulink. Using PID regulators to stabilize temperature regarding to different pressure values

### EMPLOYMENT HISTORY

#### WEB DEVELOPER

Infinite Design | June 2016 - April 2017

- Website testing with PhantomJS (VanillaJS, PhantomJS, JQuery)
- Creating websites with the Semantic/Bootstrap framework, (HTML5, CSS3, Bootstrap, Semantic)
- Interfacing with backends
- Working with GIT

#### MAINTAINER

HKC Campground (Summer job) | Jun 2018 - Sep 2018

- Painting
- Equipment repair & Maintenance
- Leading an international team

### EDUCATION HISTORY

#### WEST POMERANIAN UNIVERSITY OF TECHNOLOGY

BA Studies | Automation and Robotics | 2012-2017

- Thesis: Trajectory searching algorithms built on top of Google Maps API
- Member of the Association of Polish Electricians

#### UNIVERSITY OF SZCZECIN

BA Studies | Economics and IT Applications | 2017-2018

#### WEST POMERANIAN UNIVERSITY OF TECHNOLOGY

MA studies | Automation and Robotics | 2019-present

#### UNIVERSITY OF PAVIA

MA studies | Automation and Robotics | 2019-present