



Adrian Dratwiński

TEST ENGINEER



PERSONAL INFO

ADDRESS

Johna Baildona 22a/7 Katowice 40-115

PHONE

+48 790 446 909

EMAIL

adrian.dratwinski@gmail.com

DATE OF BIRTH

1994-02-08

LINKEDIN

<https://www.linkedin.com/in/adrian-dratwiński-29b8791b5/>

GITHUB

<https://github.com/PackardGit>

WEBSITE

<http://adriandratwinski.pythonanywhere.com>

Certified ISTQB Software Tester with over 3 years of experience in the testing industry. Adept at rapidly learning new technologies and methodologies, and possessing a strong ability to adapt to dynamic project requirements.

Experienced in working on large-scale projects for major clients in Aerospace and Automotive branches.

You can perform a virtual interview with my AI assistant:

<http://adriandratwinski.pythonanywhere.com/#chatme>

SKILLS

■ Testing

- System, Firmware and Application Testing
- Creating Test Plans, Test Cases, Test Frameworks from scratch
- Building Test Beds
- Reviewing Requirements



■ Python

- Test Frameworks: Unittest, Pytest, RobotFramework, Selenium
- Machine Learning: Tensorflow
- Data Science: Pandas, Numpy



■ Java



■ Web designing

(CSS, HTML, JavaScript)



■ Test and requirement management tools

(qTest, Jira, Doors, Jama)



■ Other tools

Labview, Matlab, Step 7, Studio 5000



■ Version control tools

- Gitlab
- Dimensions



EDUCATION

Automation and Robotics, Faculty of Automatic Control, Electronics and Computer Science, Master Engineer

2014-10 - 2019-10

Silesian University of Technology, Gliwice

Final Grade 4.74/5

Electronics Technician

2010-09 - 2014-06

High School, Technical School nr 8, Sosnowiec

Specialization: Automation and Robotics

WORK HISTORY

Software Test Engineer

2023-05 - present

Łukasiewicz Research Network - Aviation Institute, Warszawa, Polska

<https://lukasiewicz.gov.pl/en/>

One of the largest research networks in Europe.

Worked on test development and implementation in an international environment of a high-profile project for Boeing 777X), collaborating with GE Aviation (General Electric Aerospace), focusing on the Remote Data Concentrator (RDC) device.

- Conducted extensive testing and validation of the RDC, utilizing both hardware and software tools to guarantee performance, reliability, and safety.
- Identified and mitigated potential risks and issues throughout the project lifecycle, ensuring timely delivery and adherence to project milestones.
- Collaborated closely with GE's engineering and project management teams, maintaining open communication and delivering regular progress updates.

Protocols used by Remote Data Concentrator:

UDP, A429, A629, A664, A825 (CAN)

Used tools:

(Wireshark, Doors, Dimensions, Jira, Python, Confluence)

Achievements:

- Successfully delivered the RDC project on time and within budget, meeting all performance and safety criteria set by Boeing.

Associate Firmware and System Test Engineer

2021-05 - 2023-05

Rockwell Automation, Katowice, Polska

Global producer of industrial automation and IT solutions

Worked in Firmware, System and Software tests department for American company in large project introducing a new communication protocol to the industry.

- Involved in every stage of the product cycle
 - Starting with Test Plan creation
 - Reviewing Requirements
 - Creating Test Scripts
 - Creating Framework from scratch
 - Creating Test Cases
 - Automatizing of Test Scripts
 - Creating TestBed

- And finally, running Tests

Used tools:

Python, Typescript, LabView, Jira, Qtest, Jama, Wireshark, Studio 5000

Communication protocols I worked with on this project:

UDP, TCP/IP, CIP, TLS, LLDP, ICMP

Junior PLC programmer

2019-11 - 2020-02

APA group, Automation Department, Gliwice

PLC programming, supervision of production lines

Trainee in Technical Department

2017-08 - 2017-09

Sumiriko Automotive Hose Poland, Sosnowiec

Familiarizing with machines and creating manuals for employees

Tutor

2017-01 - 2021-07

Tutoring in mathematics and physics. Helping with technical projects.

Technical Support Trainee

2013-05 - 2013-06

X-Console, Sosnowiec

Repairing of electronic equipment

LANGUAGES

English - C1

Russian - A1

Polish - C2

Native speaker

PROJECTS

- Virtual Interview with AI assistant

<https://github.com/PackardGit/InterviewMe>

This is my personal site where you can conduct a virtual interview with me.

Ask me about my skills, experience, education, etc.

Technologies: HTML, JS, Ajax, CSS, Python. ChatBot created with OpenAI library.

- Lung disease detection app

<https://github.com/PackardGit/Lung-disease-detection>

Web and mobile application that detects lung diseases.

Technologies: Kotlin, Python, Chaquopy, Flask, Rasa, Google Cloud.

- Online platform with multiplayer games

<https://github.com/PackardGit/Browser-Game>

Available games: tic tac toe and battleships. Technologies used: HTML, PHP, JS, JQUERY, AJAX, MySQL.

- Hybrid software for determining operational characteristics closed thermal circuit: heater plus heat exchanger with recycle

<https://github.com/PackardGit/Heat-exchanger-with-recycling>

Simulation made using Matlab and LabView

- Master's project

Research on several influences, mainly electromagnetic waves

- Interference detection in the wastewater treatment process

Algorithm which detects interference such as the addition of peptone or ammonium nitrogen written in Matlab.

- Data acquisition system from the frequency inverter

<https://github.com/PackardGit/PLC-and-motor-control-via-PC>

Using SEW Movitrac frequency inverter, PLC Siemens s7-300 and c# application

- Remote controlled car

Project made using arduino components, and old toys.

- PCB etcher

<https://github.com/PackardGit/PCB-etcher>

Device contained a heater, thermometer, microcontroller, air pump and LCD. Programmed in AT32 using arduino bootloader.

AWARDS

- **Every year Rector's scholarship beneficiary for the best students**

- **Average grade at the end of studies is 4.74**

- **Speed Badge in Rockwell for speed and efficiency in test creation**

COURSES

- **Certified programming workshops in B&R Automation**

- **Certified programming training in SEW-Eurodrive**

- **Certified workshops in Żywiec S.A**

- **Training program: Advanced And Diagnostic Functions of PLC. Organized by RAControls and Silesian University**

- **Hardware / Software Design according to IEC 61508 training in TÜV Rheinland Group**

CERTIFICATES

- **Driving License**

B category

- **SEP**

(Association of Polish Electricians Eng.) qualification certificate - voltage up to 1 kV

- **ISTQB**

GASQ

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