

# Krzysztof Błażejowski

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## SUMMARY

Engineer with a background in control systems automation, now transitioning into software development. Throughout my career, I have gained valuable project management and teamwork skills, leading independent projects and collaborating with cross-functional teams. Currently pursuing a Master's degree in Computer Science with a specialization in Artificial Intelligence. Actively developing projects in Python, .NET, REST, gRPC, and eager to apply my skills in a software development role.

## EDUCATION

### Warsaw University of Technology

*Master of Science (M.Sc.) in Computer Science*

*Faculty of Electronics and Information Technology, Specialization: Artificial Intelligence*

Warsaw, Poland

*Oct. 2024 – Present*

### Warsaw University of Technology

*Bachelor of Engineering (B.Eng.) in Automation, Robotics, and Industrial Informatics*

*Faculty of Mechatronics, Specialization: Industrial Informatics*

Warsaw, Poland

*Oct. 2020 – Jun. 2024*

## EXPERIENCE

### Application Design Engineer

*Schneider Electric*

Dec. 2022 – Present

*Warsaw, Poland*

- Led development of key projects in the Oil & Gas sector at Orlen, including HVO, TGTU, and HOG plants. Developed ESD, BMS, ITCC applications, and SCADA systems
- Developed and tested PLC applications for ESD and BMS using FBD, ensuring high reliability and performance
- Optimized HMIs and implemented automated testing procedures for controllers
- Participated in FAT and SAT, conducted on-site commissioning, and ensured integration of industrial systems
- Configured network components (switches, firewalls) and performed workstation hardening for security compliance (IEC 61511, IEC 61508)
- Led project execution and managed tasks independently while collaborating within teams

### Student Intern

*Joint Institute for Nuclear Research*

Jul. 2021 – Sep. 2021

*Dubna, Russia*

- Integrated FRS-RACK®2 fire extinguishing panel with PLC via SNMP, developing a basic SCADA system for monitoring and control
- Gained hands-on experience with PLC programming, industrial communication, and automation in a research setting

## PROJECTS

### Chess Game | C++, Qt

- Developed a 1vs1 chess game in C++ using Qt for the GUI, focusing on piece movement and game state management
- Implemented a move undo feature, allowing players to step back through previous moves
- Designed an interactive chessboard using Qt to allow easy piece movement and real-time updates
- Enhanced skills in C++ programming, GUI development, and basic game logic

### Modbus Application | .NET MAUI

- Developed a cross-platform Modbus application using .NET MAUI for communication with Modbus devices via TCP
- Implemented Modbus register reading and writing (coils, holding registers) and real-time feedback for connection and operation status
- Used CommunityToolkit.Mvvm for implementing the MVVM pattern to separate concerns in the application

## TECHNICAL SKILLS

**Languages:** Python, C / C++, C#, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, .NET, Django

**Developer Tools:** Git, ChatGPT, PyCharm, Rider, WebStorm

**Libraries:** Pandas, NumPy, Matplotlib

**OS:** Windows, Linux, MacOS