

# Franciszek Borowiec

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## Summary

<https://linktr.ee/fboro>

<https://github.com/FBorowiec>

Electrical engineer turned software developer who got madly in love with software development. Highly interested in state-of-the-art automated driving compute platforms and emerging computational technologies.

Multifaceted, knowledge-thirsty with the capacity to work in a very diverse environment. My versatility includes the ability to quickly adapt and thrive in new environments, situations or countries. Master Degree in Control Engineering and Robotics. Fluent in French, Polish, English, Italian, Python and C++.

Previously working in BMW's Autonomous Driving campus as a software developer for Self-Driving Cars for Stellantis (ex-Fiat Chrysler Automobiles).

## Experience

### **Developer Experienced in Cryptocurrencies | Algorithmic Trading**

Samozatrudnienie

Jul 2022 - Present (6 months +)

### FCA **Software Engineer for level 2 and 3 Autonomous Driving core functionalities**

FCA Fiat Chrysler Automobiles

Feb 2020 - Jun 2022 (2 years 5 months)

Working in the partnership between Fiat Chrysler Automobiles and the BMW Group for level 2 and level 3 core autonomous driving functionalities in a cross-functional feature team.

Currently member of the FCA Automated Driving Software team at the Autonomous Driving campus of BMW in Unterschleissheim.

Responsible for the development and integration of automated driving feature and functional software.

Primary duties include the development of infrastructure and basic software compliant with functional safety principals, development of middle-ware and software service modules and the development of a modular serial data build/parse architecture.

The activity involves testing the features on German roads and BMW test tracks.

### FCA **Software Engineer for level 3 customer function related to VRU safety**

FCA Fiat Chrysler Automobiles

Oct 2018 - Feb 2020 (1 year 5 months)

Cross-functional feature team member for level 3 customer function in the partnership between Fiat Chrysler Automobiles and the BMW Group for Autonomous Driving.

Responsible for the development and integration of automated driving feature and functional software.

Primary duties include the development of infrastructure and basic software compliant with functional safety principals, development of middle-ware and software service related to Vulnerable Road Users' safety.

This activity involved testing the features on German roads and BMW test tracks.

Member of the FCA Automated Driving Software team at the Autonomous Driving campus of BMW in Unterschleissheim.

## **Self-driving Car Engineer for core Level 3 functionalities**

FCA Fiat Chrysler Automobiles

Jan 2018 - Oct 2018 (10 months)

Software engineer for autonomous driving.

Developing level 3 features for European projects related to self-driving vehicles at the Research Center of Fiat Chrysler Automobiles located in Torino (Italy).

Main activities involved developing functionalities such as:

- Automated Lane Keeping
- Adaptable Cruise Control
- Adapting speed to traffic signs and road curvature

## **Intern**

ABB

Mar 2015 - Aug 2015 (6 months)

Designing control panels for power stations in Polish cities of Toruń and Gdańsk.

Collaborating with the power plants to ensure proper integration of the designed control panels.

Providing support to the lead engineering team.

## **Education**



### **Wrocław University of Science and Technology**

Master's degree, Control Engineering and Robotics

2012 - 2017



### **Universidade Nova de Lisboa**

Studies abroad, Electrical and Electronics Engineering

2016 - 2017

## **Licenses & Certifications**

**CEFR - C2 in English** - Common European Framework of Reference

EF Standard English Set



**6.002x: Circuits and Electronics** - Massachusetts Institute of Technology

**LESS Practitioner** - Bas Vodde

Issued Apr 2018 - Expires Apr 2020

 **Design Patterns in Modern C++ - Udemy**

UC-6c287794-820e-4326-989b-6f55728b4f0f

 **Test Driven Development in C++ - Udemy**

UC-48273648-a16b-4fcf-93ae-14ead15c5fef

 **Python programming - Udemy**

UC-RIIH80V

 **Python course - Udemy**

UC-c10706d1-cee8-41f2-90e6-c273d9148a69

 **Unit Testing and Test Driven Development in Python - LinkedIn**

 **Continuous Integration: Tools - LinkedIn**

 **Learning GitHub Actions - LinkedIn**

## **Skills**

web3 • Cryptocurrency Trading • Blockchain • PostgreSQL • KPI Implementation • Automotive • C++ • Python • Machine Learning • Computer Vision

## **Honors & Awards**

**"Best Practice Feature Team" award from BMW - BMW**

Apr 2019

"Best Practice Feature Team" award from BMW for the work done on developing Level 3 functionalities for Autonomous Driving. Award obtained twice.

**"Big Win" recognition award by Fiat Chrysler Automobiles - Fiat Chrysler**

Automobiles

Mar 2019

"Big Win" appreciation award for the work done on Autonomous Driving in the collaboration project between BMW and Fiat Chrysler Automobiles.