






# Piotr Biedermann

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*Aspiring Web Developer*

## Education

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42, Wolfsburg

2022 - 2024

DE

- Project based peer learning



**Masters in Embedded System(unfinished)**

Poznan University of Technology, Poznan

2009 - 2011

PL



**Bachelor in Automation and Managment**

Poznan University of Technology, Poznan

2006 - 2009

PL

- Thesis: Model of Automated Storage Facility

# Projects & Associations

## Inception

2024-february  
Wolfsburg, DE

- “A docker project where we upload LEMP stack website in separate containers built from custom Dockerfiles.”
- “Focused on Docker, LEMP stack, Bash”

## Transcendence

2023-December  
Wolfsburg, DE

- “Single page application featuring a chat, two factor and third party authentication, a game complete with a user leaderboard, achievements.”
- “Technologies used: React, Typescript, Docker, SocketIO, PostgreSQL, Postman, Agile methodology”

## Webserv

2023-August  
Wolfsburg, DE

- “HTTP web server in C++, handles GET, POST, and DELETE requests, features CGI, file upload/download.”
- “Skills demonstrated: C++, Network programming”

## CPP

2023-June  
Wolfsburg, DE

- “Series of exercises, covering a variety of topics like Exceptions, Inheritance, implementing Merge-Insert sorting Algorithm.”
- “Technologies and concepts: C++, OOP, STL containers”

## Philosophers

2023-April  
Wolfsburg, DE

- “Program solves Dijkstra’s philosophers problem using threads in C.”
- “Highlighted technologies: C, Threads”

## miniRT

2023-february  
Wolfsburg, DE

- “Ray tracer project that involves comprehensive use of C and linear algebra to simulate light rendering.”
- “Highlighted technologies: C, Linear Algebra”

## Minishell

2023-January  
Wolfsburg, DE

- “Clone of a shell, implementing basic shell operations and commands, using C.”
- “Skills demonstrated: C, Bash”

## Push swap

2022-August  
Wolfsburg, DE

- “Sorting two stacks with the help of radix sort, showcasing efficient algorithm design and implementation.”
- “Technologies used: C, Algorithms”

## Pipex

2022-July  
Wolfsburg, DE

- “Simulates the pipe mechanism in UNIX systems, executing two commands and connecting them with a pipe.”
- “Highlighted technologies: C”

## So Long

2022-June  
Wolfsburg, DE

- “Game using minilibx library, implemented depth search and error checking for game logic.”
- “Skills demonstrated: C”

## Printf

2022-May  
Wolfsburg, DE

- “Recreated the printf function using variadic functions, demonstrating understanding of low-level programming in C.”
- “Skills demonstrated: C”

## Libft

2022-April  
Wolfsburg, DE

- “Recreated library of basic functions, which is a foundational project for future C projects, showcasing proficiency in C programming.”
- “Highlighted technologies: C, Makefile”

# Awards

- 2023
- 2023
- 2023
- Third place in Capture The Flag Osint/Cybersecurity event, 42 Wolfsburg
- App awarded at T-System Hackathon, T-Systems
- Completed Arduino course, FabLab Wolfsburg

# Skills

Languages	English C1   German B2   Polish Native
Tech Stack	C/C++   Arduino   Git   Docker   Bash   React   PostgreSQL
Personal Interests	Swimming   Cooking   Reading