

# STANISŁAW MARCINIAK

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## ABOUT ME

I am a third-year university student at the Polytechnic. I love mathematics and working with data, which is why I'm looking for my first professional experience as a ML Engineer. I want to broaden my horizons by gaining practical knowledge. I'm particularly interested in artificial intelligence and machine learning – I'm fascinated by how these technologies can solve real-world problems.

## PROJECTS

### BOOK RECOMMENDER

[GitHub](#)

Book Recommendation System Based on NLP and Large Language Models

- Utilized OpenAI embeddings and vector search to match books based on semantic similarity
- Analyzed the emotional tone of book descriptions (joy, surprise, anger, tension, sadness)
- Categorized books by genre for better personalization
- Created an interactive user interface using Gradio
- Technologies: Python, OpenAI API, LangChain, ChromaDB, Gradio

### HOUSING PRICE PREDICTION

[GitHub](#)[Demo](#)

Linear Regression Model Predicting House Prices in Boston Based on Historical Data

- Developed a web application (Flask) to predict house prices using the classic Boston Housing dataset
- Trained a linear regression model using features such as crime rate, number of rooms, and access to public transport
- Performed data analysis (EDA), feature standardization, and model evaluation ( $R^2 = 0.711$ )
- Serialized the model and scalers, and deployed the application (Docker + Render)
- Technologies: Python, Flask, scikit-learn, Docker, HTML/CSS

## EXPERIENCE

### FULLSTACK DEVELOPER (INTERNSHIP)

Jobsdoor (July 2024 – October 2024)

- Developed and enhanced features of a job portal — from simple UI components (e.g., banners) to key modules like the pricing page
- Implemented automatic translations for the website and admin panel (articles and dynamic content)
- Worked with technologies: TypeScript, React, Go, PostgreSQL, Docker

### AUTOMATION DEVELOPER

Jidoka (February 2024 – July 2024)

- Automated LinkedIn and email messaging campaigns using Python and JavaScript scripts
- Wrote web scraping scripts with Python libraries such as BeautifulSoup and requests
- Manipulated data in .csv and .txt files using Python and JavaScript
- Worked in a team following the Scrum methodology

## SKILLS

### PROGRAMMING LANGUAGES

- Python
- Typescript
- SQL
- HTML
- Javascript
- CSS

### TOOLS

- Git
- AWS
- Docker
- Linux

## EDUCATION

### LODZ UNIVERSITY OF TECHNOLOGY

Information Technology (English-taught)  
2022 - present

## FINISHED COURSES

- [Elements of AI](#)
- [Building AI](#)
- [Kaggle](#) - all courses

## LANGUAGES

- Polish – Native
- English – C1

## ACHIEVEMENTS

- [Collabothon 2024](#) – 1st Place  
Project: Widget for corporate banking clients
- [Hack na Zdrowie 2](#) – 1st Place  
Project: Onboarding platform with AI chat
- [BizOn](#) – 1st Place  
Project: App for improving employee wellbeing
- 2× Rector's Scholarship –  
Financial award for the top 10% of students