

# MARCIN SOCHA

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## EDUCATION

Master's degree in Mathematics

University of Warsaw

October 2022 – Ongoing    Warsaw, Poland

- Main interest in Probability theory, Machine Learning, Statistics and Programming
- Expected graduation in September 2024

Bachelor's degree in Mathematics

University of Warsaw

October 2019 – September 2022    Warsaw, Poland

- Main interest in Probability theory, Machine Learning, Statistics and Programming

## SKILLS

Intermediate knowledge

Python, SQL, R, C, C++, Latex, MatLab/Octave

Basic knowledge

Linux, Pascal, HTML, PHP, git

## AWARDS AND ACCOMPLISHMENTS



Award

Polish Mathematical Olympiad for Junior High School-Laureate 2015



Award

Silesian Mathematics Competition- 8th place 2017



Neural Networks and Deep Learning [100%]- Coursera Certificate 2024 [coursera.org/verify/BZCMQXBQWF38](https://coursera.org/verify/BZCMQXBQWF38)



Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization [96%]- Coursera Certificate 2024 [coursera.org/verify/ZBHSRTLTPFLFA](https://coursera.org/verify/ZBHSRTLTPFLFA)

## PROJECTS

Isolines Plotting App

[github.com/marsocha/warstwie](https://github.com/marsocha/warstwie)  
Plotting a two-dimensional isoline map from a given two-value polynomial

Maze Solver

[github.com/marsocha/labirynt](https://github.com/marsocha/labirynt)  
Finding and plotting path out of the maze using C

Cinema Workflow Simulation

[github.com/marsocha/kino](https://github.com/marsocha/kino)  
Simulation of working cinema using object-oriented programming using C++

RNA Analysis

[github.com/marsocha/RNA](https://github.com/marsocha/RNA)  
Data analysis and predictions based on informations of cells and tissues using R

Cinema Management App

[github.com/marsocha/kino\\_bd](https://github.com/marsocha/kino_bd)  
Website for customers and workers using PHP and SQL to manage tickets in cinema

## LANGUAGES

Polish - native

English - B2



## HOBBIES

Football, Digital Art, Music Production, Mobile Technology, Popular Science