# MATEUSZ SZCZEPAŃSKI

**Math, Programming, Physics**

I am a **third year student of mathematics** at the University of Wrocław. **I am passionate about programming: simulations and development in Python**. An example of my new projects are two projects from the Experience and Projects section, which I carry out over the course of 6 months. I will currently be working on a pandemic simulation project in various environments. **My goal is now to gain practical use** of technological possibilities, mathematics and programming, which will allow me to use the knowledge I am gradually acquiring. It is important for me **to work in an international environment**, which will be an opportunity to practice communication in English. I am a person open to broadening my horizons and **learning from people already working in business on projects for clients**. Practice and new experiences are my goal, which I hope I will be able to achieve during my work in your organization.

## PERSONAL DATA


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## SKILLS AND LANGUAGES

- Analytic and Critical Thinking
- Stress-resistance
- Discipline
- Punctuality
- Driver license cat. B (3 years)
- English (Upper-Intermediate)
- German (Pre-Intermediate)

## PASSIONS AND INTERESTS

- Science (Math, Physics, Technology etc.)
- Alcohol Production
- Chess and board games
- Cooking with Gordon Ramsay
- Psychology and social sciences
- Physical acitivity
- Logic puzzles

## COURSES & CERTIFICATS

### Udemy (in the middle of)

*Data Science*

- Python
- PANDAS
- Data Frames & Series
- GitHub

### Webinars and online courses (from 2019)

*Many webinars and courses about R or Python*

- Data visualization
- ggplot2
- Neural Networks

## EDUCATION

### University of Wrocław (2018 - present)

*Applied Mathematics (at the end of Bachelor's degree)*

- ***Python***, C++, SQL, R, Excel
- Numerical Methods
- Deterministic and Stochastic Processes and Simulations
- Special Theory of Relativity
- Relational Databases

## EXPERIENCE AND PROJECTS

### Biology and Physics Simulations (10.2020 - 02.2021)

*Simulations created in Python or R*

- Hunting Model
- Heat Equation in 2D space
- Turing's Instability in Brusselator Model

### Implementation of Databases in Python (01.2021)

*Simple Aplication of Airport Database*

- Python (PyQt5, psycopg2, pony.orm)
- PostgreSQL

### Bachelor's thesis (02 - 06.2021)

*Minkowski Spacetime in the Special Theory of Relativity*

- Mathematical basics of Special Theory of Relativity

## CLAUSE

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).