Wojciech **Majchrowski**

Profile Summary

I am a twenty-year-old student at Student at the Wroclaw University of Science and Technology, who has completed his first year. Currently, I am working on the application of deep learning algorithms to radiological image processing methods. Additionally, I am an active member of a strategic research group focusing on neuroinformatics. I have received numerous scholarships for my scientific and social activities. I am an experienced public speaker, event organizer and project leader.

Contact details

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✉ Stanislawa Drabika 22/21, 52-131 Wroclaw, Poland

Languages

- Polish - native
- English - C1
- German - B1

Skills

- Programming: java, python, git
- Data processing: Pandas, NumPy, PyDicom, SimpleITK
- Rest Api developer: SpringBoot, SpringSecurity, PostgreSql, Docker
- Backend: HTML, JavaScript
- Public speaking, communication skills
- Team collaboration, leadership
- deep reasearch skills

Experience

Member of the university scientific research team *under the patronage of Dr. Eng. Adrianna Kozierkiewicz and M.Sc. Eng. Katarzyna Białas* **05.2025–present**

- Responsibility for research in the field of radiological image processing algorithms and their implementation and testing
- Utilizing a pre-trained model that classifies prostate cancer stage using the PI-RADS v2 scoring system.

Leader of the programming team *in the neuroinformatics scientific club "Neuron"* **03.2025–present**

- Conducting weekly team meetings, assigning new tasks to team members and making decisions on key matters
- Responsibility for creating a map and generating a terrain in game responsive to EEG devices
- Character animations and the use of a new approach to NPC movement - AI Navigation and NavMeshSurface

Individual Apprenticeship with a Senior Software Engineer M.Sc. Eng. Katarzyna Białas *assigned as part of the "Exceptionally Talented at the Wrocław University of Science and Technology" program* **10.2024–present**

- Creating a Java REST API Backend Using the SpringBoot Framework
- Implementation of a simple game with a BCI device, along with algorithms to classify the user's level of focus and relaxation.

Queen Hedvig Scholarship *laureate* **05.2023–09.2023**

- participating in research at Silicon Valley companies
- making a presentation about an idea of innovative product at Stanford University
- working on a small projects in a coordinated team supervised by Silicon Valley experts and entrepreneurs

Education

Engineering studies in applied computer science. *Wroclaw University of Science and Technology.* **2024–present**

Achievements

◇ Santander Open Academy Award for Students and PhD Students at Wroclaw University of Science and Technology 2025 **25.06.2025**

◇ winner of the "Student Scholarship Program" of the mayor of the city Wroclaw **03.12.2024**

◇ Laureate of the scholarship "Exceptionally Talented at the Wroclaw University of Science and Technology" **11.10.2024**

◇ Laureate of the nationwide Physics and Mathematics "Studium Talent" competition - the highest result in the country **14.03.2024**

◇ Team bronze medal in the Wrocław high school volleyball championship **01.2024**

Hobbies

Psychology books, volleyball, traveling