



# Adrian Galik

## Student of Applied Mathematics

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github.com/Vexus1

### SKILLS:

- **Python** intermediate level
- Programming libraries: **NumPy, Pandas, Pygame, OpenCV, TensorFlow, Keras**
- Abstract data structures: **Stacks, Queues, Trees, Graphs**
- Mathematical models and statistical methods
- Applications of differential equations
- Distributed version control: **Git**
- Data base managing: **SQL**
- Operation system: **Linux**
- Numerical calculations: **Julia**
- Unix shell: **Bash**
- Analytical thinking
- Team work

### LANGUAGES:

- Polish native
- English C1

### HOBBIES:

- Machine learning
- Mathematics
- Astrophysics

### ABOUT ME:

Ambitious student of **Applied Mathematics**. I'm using math knowledge to write algorithms related to **artificial intelligence**, mainly **machine learning**. My favourite programming language is **Python** and I would like to use it in my work. In the future, I see myself in the field of **machine learning**.

### EXPERIENCE:

- Science club **Robocik** operating at the Wrocław University of Technology. **Artificial intelligence** design, writing algorithms for pole detection by an autonomous underwater drone, which was prepared for the **TAC Challenge** competition abroad. Preparation, development and validation of automated tests of functionalities run during the preparation of the drone for swimming (**Python OpenCV**)
- Programming projects in the **Python** language, i.e., a 2D game written in the object-oriented paradigm using the **Pygame** library numerical solution of Friedman's differential equation determining the evolution of the universe (**github**)
- Internship in firm **Zapaśnik IT**. Computer systems management
- Member of committee for Didactics and Student Rights

### EDUCATION:

- Wrocław University of Science and Technology, Applied Mathematics, october 2021 - still
- Teleinformatics and Electronics School complex in Wrocław, Technical school no. 7 (IT Technician), September 2017 - April 2021

### CERTIFICATIONS:

- Qualification EE.09 - Programming, creating and administering websites and databases
- Qualification EE.08 - Installation and operation of computer systems, peripherals and networks

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