Gábor Balázs Régely

github.com/eRGiBi

"Ardere et Lucere!"

Personal Profile

I am a University of Pécs undergraduate student, enrolled for the degree of Bachelor of Computer Science Engineering with a specialization in Information Technology of Intelligent Systems. Throughout my studies I have gained experience in various forms of problem solving with software development, and acquired knowledge about algorithms, data structures, computer networks, machine learning and software technology.

Education

University of Pécs, Faculty of Engineering and Information Technology   *Pécs, Hungary*

Bachelor of Computer Science Engineering   *Sept. 2020 -*

- Last 2 year average: 4.6/5.0
- Selected course work: Image Processing, Intelligent Systems, Object-oriented Programming 1-2. (later mentoring others), Database Systems, Computer Architectures 1-2., Operating Systems, IT Security 1-2., Probability Theory and Statistics, Quality Assurance
- Thesis topic: *Autonomous Drone Navigation with Deep Reinforcement Learning*

Louis the Great Gymnasium of the Order of Cistercians   *Pécs, Hungary*

High School   *September 2016 - Jun 2020*

- Louis the Great Golden Laurel, Awarded for distinguished maturity tests and perfect grades
- Specialised in Mathematics and Informatics

Work Experience

Arteries Studio   *Budapest, Hungary*

Machine Learning Intern   *August 2023 - October 2023*

- Collaborated with a mentor to develop an image recognition system with the goal of classification.
- Learned about the basics of machine learning, deep learning and their applications for machine vision tasks using TensorFlow.

The martial utilization of Artificial Intelligence   *Pécs, HU*

University of Pécs   *March - April of 2023*

- Wrote a comprehensive study on how Artificial Intelligence is already used and could be applied in militaries, on the technical and social levels.
- Researched current publications, trends and literature on the subject and derived conclusions.

Certificates

Cisco

- Cisco Networking Academy: CCNAv7: Introduction to Networks
- Cisco Networking Academy: Cybersecurity Essentials

Skills

Programming	Confident: Python, Java, C#, C; Familiar: CUDA C, LINQ
Machine Learning	TensorFlow, Keras, Scikit-learn, Stable-Baselines3
Web Development	HTML/CSS, JavaScript, Django
Database Management	Microsoft SQL
Data Analysis	LabVIEW, JupyterNotebook, Maple, TensorBoard, Weights&Biases
Miscellaneous	LaTeX, Microsoft Office and Dynamics 365, Git

Interests

Reading	I am an avid fan of books, with interests in many fields. More recently, I have picked up the classics, like Macbeth and Julius Caesar.
Piano	I started playing piano when I was 7. Throughout the years, I have performed at numerous concerts and events.
Folk Dance	I took part in a Hungarian folk dance club for 8 years.
Volunteering	During high school, I volunteered at the local nursing home for a year.

Languages

English	Expert C1 Level 2 Certificate in ESOL International
Italian	Currently learning for B2 proficiency
Hungarian	Native proficiency