

Jozsef Gergely Hornyak

Computer Science student

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Personal Profile & Motivation

A motivated and enthusiastic MSc (integrated) Computer Science student at Coventry University. Highly effective and adaptive communicator with excellent problem-solving skills. Thorough understanding of programming languages, and applications. Currently seeking a 'Year in Industry' student placement opportunity in the field of software development and/or AI as a part of university roadmap, in the form of a 'sandwich' year from May '23, also interested in shorter, summer one.

Professional Skills:

- Programming in Python (Tensorflow, Scikit learn, NLTK), C++, SQL, R, HTML, and MATLAB,
- Data Analysis,
- Content creation and design,
- Software Platforms: Visual Studio (Code), Notion, Github, Microsoft365 products, Python Notebook, GitHub Desktop

Interpersonal Skills:

- Team worker
- Proactive communication
- Problem Solving
- Reliable and Disciplined

Education & Qualifications

Digital Marketing Bootcamp – Resume Foundation Organisation

April 2022 - July 2022

An intensive course which gave knowledge on influencing online consumer behaviors and on macro, micro marketing, and search engine optimisation.

Integrated Master of Science in Computer Science – Coventry University

2020 - 2025

Some modules I have covered during include Software Engineering, Advanced Algorithms, a Big Data project and Presentation skills. I took part in multiple activity-led-learning projects including the creation of a chatbot in Python using web scraping, random map generation in a text based CPP adventure game.

More on: <https://www.coventry.ac.uk/course-structure/ug/eec/computer-science-mscibsc-hons/>

Radnoti Miklos Secondary Grammar School – Hungary

2015 - 2020

Mathematics and Science GCSE – **A level**

English language and IT GCSE – **A level**

Relevant Project Experience

Project Owner - Preparation Works for Final Year Project

January - April 2023

Implementing an improved path planning technique using LiDAR - a core technology for Automated Driving Systems - on Coventry University's Formula Student AI car.

Key Participant – Collaborative Online International Learning (COIL) Project

December 2021

Machine Learning using Jupyter (Python) scikit-learn module Polishing database

Teaching, testing and fitting models

Evaluating outcomes from non-similar models with different artificial neural network structures

Team Member – University Chatbot Project

November 2020

Webscraping with Python Beautiful Soup Module Database management with SQL Used

NLTK package to recognise language

Other Work Experience

Student Ambassador – Coventry University

Since September 2021

Guided and assisted visitors the university across several open days Presenting positive aspects of the university alongside my own experience

Application localization

Summer 2022

Escape the Boom (<https://escape-the-boom.com/>)

Student Proctor (Lecture Support) - Coventry University

Since September 2022

Attending lectures and supporting it
Assisting the students besides the lecturer

Additional skills

- Languages:
 - Hungarian(native),
 - English (fluent) IELTS 7,
 - German and Spanish
- Driving license

Interests and Activities

- Regular volunteering at Racehorse Rescue Centre,
- Gym and fitness,
- Video/indie games,
- Travelling, sightseeing, hiking