

Mihai-Alexandru Mătrăgună

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EDUCATION

City, University of London, United Kingdom

2016 – 2021

BSc (Hons) Computer Science: *First degree with honours*

Relevant modules:

- Programming in Java
- Object-Oriented Analysis and Design
- System Architecture
- Advanced Databases
- Network Security
- Data Structures and Algorithms
- Programming in C++

Relevant Projects:

- DRPCIV.online, August 2017 - implemented using CodeIgniter. I started this project as a way to further develop my PHP skills. This project was designed to help people studying for the driving theory test, through providing quizzes as a revision aid. In order to gather relevant questions, a Python web spider was built from scratch.

High School, Liceul Teoretic de Informatica "Grigore Moisil"

2012 - 2016

- Ranked in top 3 at Regional Olympiad in Computer Science, qualifying at national stages for 4 years (2012 - 2016)

Relevant Projects:

- Infoeducatie contest, Galaciuc, Romania, 2015.
"My School's Page" – I created a CMS for use at my high school. Inspired by Moodle, the website application allows teachers to create Multiple Choice Questions, news and events for students. Each user has their own profile page with different badges given by the administrator of the CMS. The application also has an internal notification system, to notify a student via push notifications, text messages and e-mails when they receive a mark or missed a mandatory attendance class.
The project obtained the 4th place in the national stage of "infoeducatie" contest in 2015 at Galaciuc, Romania.
- Tutoriale-Pe.NET, January 2014 - I started this project to provide students tutorials about C++, PHP and C#. During this time, I've learned how to use WordPress, Google Analytics and Search Console. I've also learned the basics of SEO, my project being ranked on the 1st of Google for popular keywords in the niche. For this project, I also learned about basic video and image editing, while recording educational videos to YouTube.

WORK EXPERIENCE

OLX Group

Timisoara, Romania

Software Engineer

2021

Implemented business requirements by writing scalable code. I was also responsible with increasing the code coverage of certain APIs. Mostly on my day to day activities, I've used Kotlin + Java, and on the architecture side I've worked with Kubernetes.

NOKIA Networks

Timisoara, Romania

Software Engineer

2019–2021

I worked on installing and configuring different products of Nokia on customers' servers, testing the product in real case situations before going live. I developed small modules for Nokia's products in Java, in order to accommodate specific project requirements.

SEOMarketer

Timisoara, Romania

PHP Developer Intern

2015–2016

I developed a web application that provides a Google website's rank on the Google Search. The users submit an internet domain with a set of chosen keywords and the application then tracks progress on the Google results page. Users can also link their account with their Google Analytics and Google AdWords services to manage more information about the domain within one-page dashboard. Through this work, I learnt the basics of Python, SEO, SQL queries and cron jobs and learnt how to use Google API's (Analytics and AdWords).

Relevant Projects:

- “Popasuri Romanesti” – I created a web application that allows users to plan a car-trip between two points in Romania. The user is able to choose a place to sleep and see the total cost of the trip - based on the total distance and number of nights at the hotel. For obtaining a database of hotels, a web scrapper was written in Python to get their geographical coordinates.

VOLUNTARY WORK

- **2012 - Volunteer**, Verde pentru Biciclete, Timisoara, Romania. I supported the pedaleaza.ro by riding a bike on the streets for several days and raising the awareness of pollution and lack of bike lanes in our city.

INTERESTS

- **Education** – Tutoriale-Pe.NET is my personal blog where I post programming tutorials and articles related to IT&C world.
- **Cooking** – I began cooking when I arrived in London to avoid fast food. At first, I followed recipes from the internet, but now I create my own recipes.