Cristian Matei

PERSONAL DETAILS

Phone	0728143861
E-mail	mateicristiansb@gmail.com

WORK EXPERIENCE

Teaching staff October 2021 - present
"Babeș-Bolyai" University, Cluj-Napoca

Teaching seminar activities for the course Advanced Programming Methods and seminar and laboratory activities for the course Graph Algorithms.
Technologies used: Java, C#, Python, C++

Data Scientist December 2020 - present
Endava Romania, Cluj-Napoca

- Extraction and classification of information from banking documents using artificial intelligence.

- Work on a virtual assistant capable of automating some common user tasks, development and deployment of computer vision models capable of processing and understanding screenshots from websites and desktop applications.

- Development and deployment of a machine learning solution capable of processing internal employee CVs and assessing the expertise level of their listed skills.

- Designing anomaly detection models using the Elasticsearch Machine Learning library capable of identifying problems in logs generated by hardware devices.

- Deployment of Large Language Models (LLMs) using the VertexAI module on GCP

- Design and implelentation of a healthcare solution aimed at classifying and detecting skin conditions using deep learning.

Technologies used: Python with data science / machine learning libraries, AWS and GCP virtual machine, training, testing and deployment of deep learning models such YOLO, FasterRCNN, UNet; ELK stack, Docker & Kubernetes

.NET Developer October 2020 - November 2020
Smedix Inc, Cluj-Napoca

Research on a proof of concept for the feasability of the ZeroConf protocol to be used for the communication between medical devices.
Technologies used: C#, .NET

Data scientist August 2019 - September 2020
NTT DATA Romania, Cluj-Napoca

Processing medical images, implementing a deep learning solution capable of automatic diagnosis based on patient CT scans.
Technologies used: Python with data science / machine learning libraries, AWS virtual machine

Work in a research & development project `October 2018 - July 2019`

MHP Consulting Romania, Cluj-Napoca

Implemented an automation solution for the MHP Helpdesk using Natural Language Processing: developed an e-mail filtering system based on described issues; also extended to include analytics tools (finding similar emails, estimating effort). This project also served as bachelor thesis topic.

Technologies used: Python with data science / machine learning libraries

Software developer (internship) `July 2017 - August 2017`

MHP Consulting Romania, Cluj-Napoca

Worked as part of a Scrum team on a web application.

Technologies used: Java, Spring Boot, AngularJS, PostgreSQL

EDUCATION

Master degree `October 2019 - September 2021`

Babeş-Bolyai University Cluj-Napoca

Advanced Computer Science Systems: Modeling, Design and Development (in German and English)

Thesis title: *Deepfakes: Generation and Detection*

Bachelor degree `October 2016 - July 2019`

Babeş-Bolyai University Cluj-Napoca

Computer science in German. Finished the bachelor studies with a grade of 10.

Thesis title: *A Helpdesk Ticket Recognition Tool Based on Natural Language Processing.*

Student `September 2012 - July 2016`

Samuel von Brukenthal Highschool Sibiu (mathematics and computer science)

Participated 6 times at the National Mathematics Olympiad. Awarded second prize and gold in 2013.

PERSONAL SKILLS

Languages	Romanian (native language)
	English: Cambridge English proficiency certificate (C2)
	German: Deutsches Sprachdiplom (DSD) certificate (C1)
Software	PYTHON (Pandas, Numpy, Matplotlib, Keras, Scikit-Learn, etc.)
	JAVA (Spring Boot, Hibernate)
	C#
Soft skills	Teamwork spirit, Problem analyzing and solving, Organization and flexibility
	Between 2013 and 2015 I was a member of Interact Club Sibiu (affiliated with Rotary), doing charitable work.