## Alexandru Iordan

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**Education** 

University of Koblenz and Landau

University Gheorghe Asachi Iasi

GPA: 1.3 / 1

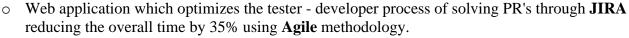
Master of Web and Data Science Expected Graduation: July 2023 Bachelor's in Information Technology Graduation: August 2020

**Relevant Skills:** (*Proficient*): Python (*Experienced with*): Java, Git, NodeJS, Express, React, JavaScript Languages: German (A2.2: conversational), English (native)

## **Work Experience**

• Software Developer (internship) Continental

*August 2019 – October 2019* 



- o Produced software bridge between **Java** and **Python**.
- Data extraction and optimally processed over 100.000 results loaded into **DB** (**Oracle**) for analytical purposes.
- o Managed **Docker** containers and improved scalability.

• Software Engineer (internship) Continental

*June 2018 – October 2018* 

- o Automatic tool developed with **Java** that detects, extracts patterns of known Problem Reports, reduced the overall Problem Report solving time by up to 60%.
- Using data pre-processing techniques (with NumPy and Pandas) to find common traces of a Problem Report.
- Script lifecycle automation, reduced dev-tester issues by 75% and improved product quality using Agile principles and CI/CD pipeline.
- O Developed an innovative solution that increased coverage by 30% and improved performance by 50%.

## **Projects**

- Virtual Assistant Machine Learning Chatbot
  - Provides sentient-like responses to patients diagnosed with chronic diseases (Alzheimer, Dementia) using NLTK library.
  - o Integrated **automatic analysis process** for stages of disease and automated feedback (processing 80% faster) using **Python** backend with **Django** frontend.
  - o Reduced time to provide response by 50% and increased **Machine Learning** model accuracy by 80% by using **API** s.
- Face Recognition Web Application
  - O Detects faces in an image with a 98% success rate.
  - o Customized algorithm for multiple **faces analysis** and added **thresholds** for differentiating between faces and objects.
  - o Improved security by 90% using **API** calls and password hashing.
  - Used latest back end and front-end technologies (2022): PostgreSQL, React, NodeJS and Express, HTML5, CSS3.

## **Activities**

• Computer Science Olympiad (Romania)

2016, 2017

• CodeCamp Weekend

2017, 2018, 2019

• Data Science Research Projects - Medium

2022

• Leetcode / Lintcode / Codeforces enthusiast

2022