

Alexandru Iordan

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Education

University of Koblenz and Landau

Master of Web and Data Science

Expected Graduation: July 2023

University Gheorghe Asachi Iasi

Bachelor's in Information Technology

GPA: 1.3 / 1

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
 - Web application which optimizes the tester - developer process of solving PR's through **JIRA** reducing the overall time by 35% using **Agile** methodology.
 - Produced software bridge between **Java** and **Python**.
 - Data extraction and optimally processed over 100.000 results loaded into **DB (Oracle)** for analytical purposes.
 - Managed **Docker** containers and improved scalability.
- **Software Engineer (internship)** *Continental* June 2018 – October 2018
 - 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**.
 - 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.
 - Integrated **automatic analysis process** for stages of disease and automated feedback (processing 80% faster) using **Python** backend with **Django** frontend.
 - Reduced time to provide response by 50% and increased **Machine Learning** model accuracy by 80% by using **API** s.
- **Face Recognition Web Application**
 - Detects faces in an image with a 98% success rate.
 - Customized algorithm for multiple **faces analysis** and added **thresholds** for differentiating between faces and objects.
 - 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](https://medium.com) 2022
- Leetcode / Lintcode / Codeforces enthusiast 2022