



# RUXANDRA IFTIMI

## WORK EXPERIENCE

### Junior Software Developer THALES

OCTOBER 2023 - PRESENT

- Participated in a project using Spring Boot (October 2023 - June 2024) for developing an application from scratch with the team and another one for writing unit tests in C (July 2024 - present).
- Improving skills in Git, JIRA, HTTPS methods, unit and integration tests.
- Participated in Agile trainings and Frontend chapters.

### C++ Internship THALES

JULY 2023 - SEPTEMBER 2023

- Deepened Object-Oriented Programming concepts and bit operations in C++.
- Learned how to do unit tests in Python.
- Consolidated knowledge of Linux, Git and JIRA.
- Developed soft skills such as working in a professional team, the ability to ask questions and seek help when needed, openly communicate with those around me.

## PERSONAL PROJECTS

- **OfOps (Java + Angular)** - OfOps is my bachelor's project, its purpose being the management of shared spaces within a company, so that office activities can be optimized. The booking process can be done with a simple click on the interactive maps featuring, also, a recommendation system for an available meeting room for the desired time if the wanted meeting room is not available in the initial interval.
- **Non-Deterministic Finite Automata (Python)** - Algorithm which verifies if a given word can be parsed by NFA and prints its path.
- **An airport network's database (SQL+PL/SQL)** - Implemented the ERD and conceptual diagrams for an airport network, where different aspects of the airports can be found : passengers and many details about them, airports' departments and their employees, airlines that operate on the airports etc. Created the database, the tables included in diagram and inserted valid information. Used SQL and PL/SQL in exercises that find different aspects about a certain information.
- **Operating Systems (C)** - Worked with operating systems' concepts such as: threads, semaphores, mutexes, system functions and implemented them, processes, shared memory.
- **Digital School Groups - SchoolChat (ASP.Net Core MVC)** - Developed a web application with a teammate which can be used as a way to communicate with people in a school. Groups can be created where messages can be sent and every group has to be part of a category. Users have different roles in the app and can, also, do actions based on their role.
- **Deep Hallucination Classification (Python)** - A Kaggle competition for my machine learning class, where over 10,000 photos had to be classified into one of 96 given classes. I implemented four models (Naive Bayes, SVM, KNN, CNN) and compared their accuracies.

## CONTACT

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## EDUCATION

2024 - PRESENT

FACULTY OF MATHEMATICS AND  
COMPUTER SCIENCE, BUCHAREST

- MSc Security and Applied Logic

2021 - 2024

FACULTY OF MATHEMATICS AND  
COMPUTER SCIENCE, BUCHAREST

- Bachelor's Degree in Computer Science

2017 - 2021

"MIHAI VITEAZUL" NATIONAL  
COLLEGE, BUCHAREST

## SKILLS AND CONCEPTS

- JAVA
- C/ C++
- ANGULAR
- PYTHON
- SQL + PL/SQL
- GIT

## EXTRACURRICULAR

- Alumni Human Resources volunteer at ASMI (Association of Students in Mathematics and Informatics)