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Timișoara, Romania

catalina-adela-chirtes

CatalinaChirtes

cătălina chirteș - portfolio

SKILLS

- Adaptable • Quick Learner
- Creative • Problem Solver
- Team Player

TECHNOLOGIES

- Angular • CSS • TypeScript
- Java • C/C++ • HTML • Flask
- Integration Testing • Python
- Adobe XD • Deep Learning
- Machine Learning • GitHub

CĂTĂLINA-ADELA CHIRTEȘ

EXPERIENCE

Mid Full-Stack Developer
VALEO IT Services International (October 2021 - Present)

- **Frontend** development for multiple enterprise web applications using the **Angular** framework.
- **Middleware Python** development for updating and maintaining a large-scale project, implementing **endpoints** that connect to a **Keycloak** database.
- Wireframes design with the **Adobe XD** framework for multiple later-developed apps.
- **Unit Test** & **Automated Integration Test** creation and documentation in a large-scale **DevOps** environment.
- **Agile** environment experience using tools such as **GitHub**, **Azure DevOps**, **Jira**, and **Confluence**.

Frontend Developer Contractor
IMM Wise (April 2024 - Present)

- Wireframes design with the **Adobe XD** tool.
- **Angular Frontend** development of a construction-site management application.

PROJECTS

Machine Learning Algorithms for Clothing Articles Classification - Bachelor Thesis

- A clothing article **classifier** system that compares three **Convolutional Neural Networks** (CNNs) algorithms and their performance at the proposed task, having an **Angular** frontend and a **Python Flask** backend.
- The three proposed models, CNN, MobileNetV2, and Inception ResNetV2, were built in **Python** using **JupyterLab**, **Pandas**, **TensorFlow**, **Keras**, and **scikit-learn**.
- The results of the study have also been presented at CISMs' "Sesiune de comunicări științifice", held by the West University of Timișoara.
- GitHub Link

BrewBuddy - Mobile Application

- A tea-tracking mobile application built using an **Angular-Ionic** frontend, **Python Flask** backend, and **MongoDB** database.
- GitHub Link

Books and Board Games Borrowing System - Java Application

- A borrowing system with a **Java** backend, a frontend created with **JavaFX Scene Builder**, and a **phpMyAdmin** database.
- GitHub Link

Contradictory, My Dear Watson - Kaggle Competition

• A **Natural Language Processing** (NLP) model, using the xlm-roberta base-snli-mnli-anli-xnli pretrained-model from Hugging-Face as a base, that determines if the relationship between a pair of sentences is entailment, neutral or contradiction.
• The submission achieved the 3rd place.
• Kaggle Submission Link

MovieNight - Web Application

• Cinema booking website for looking at the currently available movies and making reservations, having a **HTML**, **CSS**, and **JavaScript** Frontend, a **PHP** Backend, with a **phpMyAdmin** database connection.
• GitHub Link

Bookshelf Management System - C Console Application

• **C** console application for seeing and searching for books on multiple criteria (title, author, genre, series, language, score), and for donating, borrowing or returning a book.
• GitHub Link

The Adventure - .NET Game

• A **game** in **.NET** where the player can run around the map, meet with a friend character that randomly spawns, and avoid together the bombs that get randomly generated.
• The characters can **collide** with the objects (trees, rocks, plants, bombs) on the different layers on the map.
• If a bomb hits any character the game is over, but the player can choose to **replay** it.
• GitHub Link

Books and Tea Store - Python Console Application

• Online store admin application, in **Python**, where a user can see and manipulate categories and products, place orders, and keep track of the stores' stock.
• The data is stored and updated in **.txt** files.
• GitHub Link

Bank Management System - Java Console Application

• Bank management system developed in **Java**, with a **MySQL** database connection, following a series of best practices and **design patterns** for **OOP** programming.
• GitHub Link

Operating Systems Terminal - Linux Console

• **Linux** console in **C++** and **C** programming languages implementing the commands **cp**, **dirname**, **tee** and **cd**.
• GitHub Link

EDUCATION

West University of Timișoara
Bachelor of Computer Science
2021 – 2024

- -

West University of Timișoara
Master of Artificial Intelligence and Distributed Computing
2024 – 2026

CERTIFICATES

Cambridge Certificate in Advanced English
C1 Level

LANGUAGES

• **Romanian** (Native)
• **English** (C1)

INTERESTS

• Traveling • Reading
• Baking • Music • Plants
• Movies • Self-Improvement

Solar Solutions - Web Application

• **Website** for recommending and building solar panel solutions, with a **HTML**, **CSS** and **JavaScript Frontend**.
• Position as **team leader** for the coordination of the Frontend team.

User Administration Platform - Web Application

• **Wireframes** creation in **Adobe XD** for remaking the interface following a more modern approach.
• **Frontend** development of an enterprise web application using the **Angular** framework.
• **Middleware Python** development for updating and maintaining a large-scale user adminstration project, implementing **endpoints** that connect to a **Keycloak** database.
• **Unit Test** & **Automated Integration Test** creation and documentation in a large-scale **DevOps** environment, for testing the newly implemented features.

Parcel Delivery Platform - Web Application

• **Wireframes** creation in **Adobe XD** for sketching out future app features.
• **Frontend** development of a parcel delivery web application and of the corresponding admin dashboard application, using the **Angular** framework.

Trucks and User Management Platform - Web and Mobile Apps

• **Wireframes** creation in **Adobe XD** for the web and mobile apps, highlighting the app logic and main features.
• **Frontend** development of a trucks and user management **web admin application** using the **Angular** framework.
• Frontend development of a trucks and user management **mobile application** using the **Angular Ionic** framework.

Ticket Management Platform - Web Application

• **Wireframes** creation in **Adobe XD** for the app logic and main features.
• **Frontend** development of a ticket management system using the **Angular** framework.

Construction Site Management System - Web Application

• **Wireframes** creation in **Adobe XD** showcasing the application flow.
• **Angular Frontend** development of a construction-site management web application.

Town Halls Presentation Platforms - Web Application

• **Wireframes** creation for multiple town halls presentation websites, created in **Adobe XD**.