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EDUCATION

West University of Timișoara
Bachelor of Computer Science
2021 – 2024

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-snl-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](#)

SKILLS

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

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.
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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 administration 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.
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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.
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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.
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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.
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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.
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Town Halls Presentation Platforms - Web Application

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