

# GUIRAULD TAYON

## IT-Student

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🌐 <https://code.fbi.h-da.de/stgunoum> <https://github.com/Guirauld>



## EXPERIENCE AND PROJECTS

### Studentische Aushilfe (m/w/d) IT Operations

#### StandardLife

📅 Jan 2023 – heute

📍 Frankfurt am Main

- First and second level support in the client environment ;
- Extended second level support incl.: Error analysis and rectification of hardware and software problems, on-site or remote user support
- Installation and configuration of computer systems and peripheral devices with Windows 7 / Windows 10
- Creation of reports and statistics with MS Excel and MS Access
- Processing user enquiries with a ticket system

### Bachelor Thesis – AI-driven Automation of Software Testing

#### Hochschule Darmstadt

📅 Feb 2025 – Mai 2025

📍 Darmstadt

- Developed a prototype for automatic generation of test cases from software requirements using GPT-4o and semantic similarity techniques.
- Combined Retrieval-Augmented Generation (RAG), OpenAI GPT-4o API, and SentenceTransformer models to enrich context and generate structured test cases.
- Implemented a backend with Python (Flask) and PostgreSQL; designed a modern UI using React, Vite, and TypeScript.
- Key components: requirement clarity check (Q&A system), semantic search with embeddings, prompt engineering, and format validation.
- Deployment setup with Docker and Azure Cloud; CI/CD pipeline planned using GitLab and Terraform.

### We3ve <https://we3ve.de/> (Project System Development )

#### Hochschule Darmstadt

📅 April 2024- July 2024

📍 Darmstadt

- Extension of an existing mobile app (we3ve) on the topic of electromobility (car sharing and booking) with additional functions and refactoring.
- Languages used- Flutter for front-end and Express , for back-end. Database handling is done by MySQL.
- Contribution1: Team leader of the automation test team( Backend , Frontend ).
- Contribution2: PlayStore deployment
- IDE-Android Studio

### Never-have-I-Ever-Website(university project)

#### Hochschule Darmstadt

📅 nov 2023 – Feb 2024

📍 Darmstadt

## LANGUAGE

*"French, German, Englisch , Ukrainian ."*

## EXTRA-CURRICULAR

- Football Player , music , videogame
- Prometheus Certification -Data visualisation -2019
- Word and Excel: tools and life hacks -2019
- Openclassrooms Courses

## SKILLS

Azure-Cloud C++ java Php  
postgreSQL mysql mongoDB  
Chakra UI Typescript React  
Tailwind OpenCV LLM RAG  
Python Flutter gitlab CI CD  
Flutter RESTful API  
Express (Node.js) Flask UI-Test  
Automation Test Maestro Test JEST  
Prompt Engineering  
Deployment Google Play

## SOFTWARES

Qt-Creator Visual Code  
MS Visual Studio Android Studio  
IDE-Jetbrains PSoC™ Creator  
Maestro Studio MS-Office Fastlane

## EDUCATION

### Allgemein Informatik (Bachelor)

#### Hochschule Darmstadt

📅 Oct 2020 - Juni 2025

### Software Engineering

National University of Life and  
Environmental Sciences of Ukraine  
National University of Life and  
Environmental Sciences of Ukraine

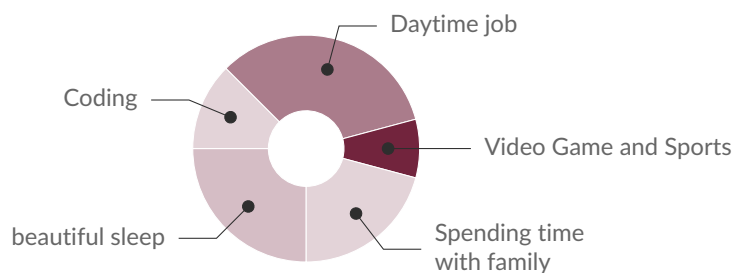
📅 Oct 2018 – Juli 2019

Prozentsatz: 15

- It includes both front-end and back-end. The project involves the development of a website that supports user registration, playlist creation, question management, and multiplayer rooms where users can interact and play together. It uses Socket.IO for real-time communication between the server and clients. The section outlines various events that manage game functionality, like creating and joining rooms, voting, handling questions, and chat functionality.
- Languages used- React + Vite , Tailwind , Chakra UI for front end and Express, Mikro-orm, Typescript for back-end. Database handling is done by PostgreSQL.
- IDE-IntelliJ

## A DAY OF MY LIFE

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## COURSEWORK

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Web Technology

Artificial Intelligence

Cloud Computing