SEBASTIAN MOCANU

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EXPERIENCE

Software Engineer
Waydev

📅 Nov 2020 – Jan 2021   📍 Bucharest, Romania

- Here I've improved my skills in software engineering, Agile development and, attention to detail by creating a Worker to sharpen the cloning and processing service of Git repositories.
- Worked with a hardworking team on design, development and integration of Git repos processing.
- The technologies I used here were Python, FastAPI, Laravel, PHP, MySQL, HTML, CSS (Bootstrap) and JavaScript.

Refrigeration Engineer Internship
Marco & Alex

📅 Jun 2020 – Aug 2020   📍 Bucharest, Romania

- This is where I improved my critical thinking and attention to detail by designing refrigeration installations for various industrial buildings using the thermal calculus to determine the refrigeration power required for the installation.

CERTIFICATIONS & DIPLOMAS

- Android Fundamentals – Google Digital Workshop for Programmers – Jul 2021
- Python – Google Digital Workshop for Programmers – Feb 2021
- Machine Learning, Data Science and Deep Learning – Udemy
- Django Full Stack Web Developer Bootcamp – Udemy

TECHNICAL SKILLS

- Java, Android, MATLAB/Simulink, Python 3, Django, Flask, C, C++, C#, ASP.NET, PHP, Laravel, MySQL, Git, SQLite, Arduino, Raspberry Pi, Linux, Unity
- HTML5, CSS3, Javascript, jQuery, Bootstrap, ReactJs, Photoshop

PERSONAL SKILLS

- Punctuality and the ability to deliver the project on time.
- Leadership qualities.
- Comfortable working independently but also in a team.
- Problem solver, bug hunter.

HOBBIES

- Playing video games.
- Playing guitar and violin.
- Exploring new places.

EDUCATION

Master in Artificial Intelligence
Automatic Control and Computers Faculty

📅 Oct 2021 – Present 📍 UPB

Mechatronics & Robotics Engineer
Mechanical and Mechatronic Engineering Faculty

📅 Sep 2017 – Jul 2021 📍 UPB

Psycho-Pedagogical Module I & II

📅 Sep 2017 – Present 📍 UPB

Mathematics & Informatics
Theoretical High School "Dunarea"

📅 Sep 2013 - Jun 2017 📍 Galati

PROJECTS

TMETF Department Website UPB

- I worked on this site from scratch, its purpose is to be informative for the students at the Thermal systems and equipment (SET) program. It's made so it is easy to manage, the admin can modify almost every page.
- `http://termo.pub.ro/`

Fourier Series and Components Application

- Using Python and Tkinter I've made a desktop application in order to compute Fourier Series coefficients more easily and to also visualize the wave graph.
- Right now I am working for a Fourier Harmonics Components Module, its purpose is to add the waves from a signal to reconstruct it.

Multi-threaded Sensor Data Processing

- I developed an application where I used data from some sensors (velocity, humidity, temperature and presence) to visualize it, then I've sent the data to Arduino via pyserial, having a TCP / IP connection. Each action took place in a separate thread.

Android Projects Portfolio

- For the final project within the Google Digital Workshop for programmers - Android Fundamentals I made a portfolio application with all the challenges and tasks I had during the course.

Web App for Hosting Arcade Games

- For the final project of the Google Digital Workshop for programmers - Python I developed an application in Django that contained arcade games written in Javascript.