LAZĂR MARIA

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EDUCATION

University POLITEHNICA of Bucharest   *2022 - 2026*

Faculty of Electronics, Telecommunications and Information Technology

Preferred subjects: Robotics, Data Structures and Algorithms, Object Oriented Programming, Microprocessor Architecture, Digital Integrated Circuits

"Matei Basarab" National College   *2018 - 2022*

Mathematics and Informatics

COURSES AND EXPERIENCE

Marvell

Marvell ASIC Design Summer School   *July 2024*

Package Design Module

Introduction to package planning and layout

Introduction to signal and power integrity, and thermal analysis.

NXP

NXP Summer School - Cryptographic Algorithms in Embedded Systems   *June 2024*

Course and hands-on lab

Introduction to Embedded Systems (Microcontrollers)

Introduction to Cryptography

Testing in embedded systems

Hackademy

Python101   *Spring 2024*

One semester-course

The course covered Basic Concepts, Data Structures, Flask, Object-Oriented Programming, Modules, and Git. For the final task, I developed a website - Travel Mate

PROGRAMMING LANGUAGES AND TECHNOLOGIES

Verilog, C/C++, Python, SQL, HTML

Vivado, Android Studio, Arduino IDE, MySQL, JSON, Autodesk Inventor, Visual Studio Code

PROJECTS

Travel Mate   *Spring 2024*

A web application that uses AI to generate custom text based on user-defined parameters submitted via an online form. I used Python, Flask, CSS, HTML and SQLAlchemy.

Kotlin Project   *2021*

A mobile application developed in Android Studio that allows users to create accounts and find recycling locations on an integrated map with information about each site. Additionally, users could share information with others about sustainable products.

I had the opportunity to learn about UI and UX design and to collaborate with a Software Development Engineer at Adobe Target and a Senior Machine Learning Engineer at Cisco Systems.

LANGUAGES

Cambridge Certificate: level C2 *2021*
French: level A1