

MANOLEA DRAGOS

Computer Science Student

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Bucharest, Romania

GitHub

LinkedIn

EDUCATION

University POLITEHNICA of Bucharest

B.E. in Computer Science and Engineering

October 2018 – June 2022 Bucharest, Romania

Important Coursework: Web Programming, Algorithms, Programming Languages, Data Structures, Numerical Methods, OOP, Assembly Programming, Communication Protocols, Local Networks, Parallel Algorithms, Game Development, Electronics

Active member in the Students' League; took part in the organization of numerous projects and events.

GPA: 9.75/10

"Ion C. Brătianu" National College

Mathematical Informatics

Sep. 2014 - June 2018 Pitești, Romania

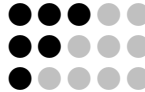
GPA: 9.41/10

SKILLS

Angular / Typescript, Python, Linux

C/C++, MongoDB, Docker, Java, Networking

JavaScript, Assembly



EXPERIENCES

RD Engineer at Keysight Technologies

Fullstack Development - Angular, Python, Docker, Linux

Sept 2021 – Present Bucharest, Romania

Software Engineer Intern at Keysight

Fullstack Development - Angular, AWS, MongoDB

June 2021 – Sept 2021 Bucharest, Romania

CoFounder at Agro Future

Django, Python, Linode

February 2020 – April 2021 Bucharest, Romania

USO - Undergraduate Teaching Assistant

Introduction to Operating Systems at ACS@UPB

Coursework Assignments and labs.

September 2019 – Present Bucharest, Romania

ACHIEVEMENTS

- Founded a **Tech StartUp** for Agriculture with 3 colleagues.
- 1st place** at HackITall 1 (BCR section) Hackathon in 2021.
- 3rd place** at HackITall 1 (BCR section) Hackathon in 2020.

HONORS & AWARDS

- "Best Business Potential" award by Carrefour Romania at Innovation Labs Demo Day 2020 for AgroFuture StartUp.
- "Silver Medal: National Olympiad in IT (2015)"
- "1st Place: Regional Olympiad in IT (2015)"

PROJECTS

Keysight Technologies - IoT Security Assessment - Fullstack Development

- Developed a mechanism to rerun a whole security assessment / only failed audits from an assessment
- Implemented 5 GHz WiFi System configuration - the user can scan from UI the WiFi APs and select a specific one.
- Developed a framework to **fetch live data** from a **fuzzing process** and display them in the UI.
- Integrated a **port scanner** audit into the product, with custom parameters support: IP address spoofing, rate, specific ports and exclude IP / network.
- Developed **great debugging skills** and found a **race condition** that stucked the assessment.
- Offered **system hardware management** in Web Application (WiFi / Bluetooth dongles)
- Implemented **custom parameters** for security audits.

Keysight Technologies - Internal Dashboard Angular, AWS Serverless and MongoDB

- During my internship, I developed an internal dashboard for **Keysight Technologies**, using **Angular** and **AWS Serverless**.
- I've done **parallel queries** to **MongoDB** to **improve performance**, using **REST API**
- I used **Python** for **AWS Serverless backend** and **Angular Framework** for **frontend**.

AgroFuture - Planification and Analytics

Django Framework

- We developed, as a **team**, a planification app for Carrefour agricultural cooperative from Varasti.
- Orders registration, assigning orders to the farmers and a "searching for orders" system.
- We implemented an **Analytics** system for better **prediction**