Mihnea-AndreiBlotiu

Computer Science Student

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Education

2020-09 - Current

Bachelor of Science in Computer Science

Faculty of Automatic Control And Computer Science – Politehnica University of Bucharest, Romania

- **Expected graduation year: 2024.**
- **Average grade in the first two years: 9.66 out of 10.00**.
- Relevant coursework: Usage of Operating Systems (Bash), Data Structures (C), Object-Oriented Programming (Java), Algorithm Analysis, Numerical Methods (MATLAB), Computer Programming (C), Algorithm Design and Programming Paradigms (Racket, Haskell, Prolog).

Work experience and Volunteering

2022-01 - Current

Curriculum Leader

Hackademy - Cisco Networking Academy, Bucharest, Romania

- **Restructured an entire Web Development module** for a **30 to 60** people class by realizing teaching materials for the courses, laboratories, and cheat sheets.
- Taught **web development** for beginners in languages such as **HTML, CSS and JavaScript** and **networking** for beginner and intermediate students in this domain by holding a three-hour class each week.
- Got involved in **creating and correcting the individual work** of each learner, as well as proposing final evaluation projects;
- Prepared quizzes, tests and examinations to gauge how well students were learning.
- Learnt how important it is to **give and listen to the feedback** of other students or teachers.

2021-04 - Current

Undergraduate Teaching Assistant

Faculty of Automatic Control And Computer Science – Politehnica University of Bucharest, Romania

- Oversaw **classes up to 15 students** in Usage of Operating Systems, Introduction to Computer Organization and Assembly Languages, Data Structures, Computer Programming, Object-Oriented Programming and Programming Paradigms.
- Supported classroom activities such as: **tutoring, writing and reviewing work** for laboratories and for the **practical midterms and final exams**.
- **Mentored students** in one-on-one meetings both for the theoretical and practical final exams in Data Structures.

Relevant Projects

April 2022

Bootstrap website for the Romanian Acadnet National Olympiad

- Project: https://github.com/mihneablotiu/AcadNet-Website.
- Site available at: https://acadnet.eu/.
- Expanded my web development knowledge with **Bootstrap language** by realizing a website for the Romanian Acadnet National Olympiad.
- Learnt how to manage personal time in order to deliver the project as fast as possible.

February 2022

Android Studio application based on Java

- Project and APK: https://github.com/mihneablotiu/MovingBall---AndroidApp.
- Developed an application in **Android Studio** that uses the accelerometer of a system to move an object based on the inclination of the device.
- Eight-page documentation explaining the flow of the project step by step.

March 2021

Load Balancer

- Project: https://github.com/mihneablotiu/LoadBalancer.
- Implemented a **memory-efficient load balancer** in **C language** using **consistent hashing**.
- Used a **hash ring** where someone can add or remove servers from the system and store tasks in the best way possible for a better performance.

Extracurricular Activities and Awards

- **Certified with Level 1, 2 and 3 by CCNA**, during the last and current university year - 2021- 2022.
- **Bronze medal - National Olympiad of Technology and Communication** - Arad 2019.
- **Human Resources Volunteer,** improved communication skills, **realized website challenges** in 24 hours and **organized events** together with a 6-people team managing to attract 200 constant participants.
- **CodeHero Volunteer, taught informatics** such as Scratch to a group of 5-6 primary school children in my free time.

Skills

- Programming languages:
  - **Intermediate: C, C++, Java, HTML, CSS, Bootstrap.**
  - Beginner: Racket, Haskell, Prolog, Assembly, Bash.
- Communication languages:
  - English: **Awarded with Certificate in Advanced English (C1)** by Cambridge English Qualifications - Bucharest - June 2019.