IRENE PAMPU

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Volunteering

Vicepresident (2022-2023) **& Human Resources Coordinator** (2021-2022) - Asociatia Studentilor Bioingineri
Key responsibilities:
- Prepared six project reports, including detailed assessments of the activities and results achieved within each project (I managed the participant lists for the main projects, prepared the project budgets along the team, set the deadlines, list of sponsors etc.)
- Developed and implemented activity calendars for each semester's projects.
- Facilitated three workshops: one about communication and teamwork, one about project management best practices and one focused on motivating members, managing conflicts and improving their integration within the team.
- Recruited 87 new members across two recruitment sessions in November and March;
- Participated in multiple trainings and workshops for human resources coordinators, planning and management of a project, communication, improvisation etc.

Projects & Awards

2023 **Notifications App - Javascript, HTML/CSS**
- Main features: entering a message and a profile picture for each user, the received notifications are displayed in real time, together with the time when they were sent, can be marked as "read", the message can be deleted from the profile, changes are saved/deleted from the local storage.

Preventing Road Accidents caused by Drowsiness using Face Recognition and Eye Tracking, **Silver Medal at EUROINVENT** - ISSN: 2285-1348
- I had the opportunity to work in Android Studio with an MLkit to develop a mobile application that prevents the drivers from falling asleep while driving;
- the face and eye recognition feature is able to detect and send an alert in the form of a pop-up message with a sound on the screen of the driver's mobile.

2022 **Alert System for improving Emergency Vehicles movement**, **2nd prize at BENG Conference for Students and Young Researchers** - ISSN: 2285-1348
- we implemented a prototype for a method of transmitting an ambulance signal to car drivers;
- the transmission of the "ambulance is coming" message was carried out by means of an FM radio module and a Raspberry Pi board;

2021 **Guidance system for the visually impaired (Augmented Reality), 1st prize at BENG Conference for Students and Young Researchers** - ISSN: 2285-1348
- I used an SDK that uses augmented reality and Unity Editor to create a mobile application, to guide the user inside an unknown room in case of emergency;
- to create a navigation route, a scan of a room or location is required, following which the route is generated based on the scan, and the indications of "left", "right" and "forward" are transmitted vocally to the user.

Education Background

- Front-end online program - EPAM Systems (2024 - present)
- Bachelor's degree - Biomedical Engineering @ University of Medicine and Pharmacy Iasi (2019 - 2023)

Conferences

- BENG Conference: The National Bioengineering Conference for Students and Young Researchers - 2021, 2022, 2023 editions.
- EUROINVENT - European Exhibition of Creativity and Innovation - 2022, 2023 editions.
- National Conference: Cybersecurity and Artificial Intelligence in Medicine. Opportunities and risks in a digitized world - 2023 edition.

Skills

- Beginner: Angular, JavaScript, HTML/CSS, Bootstrap, Git, VSCode;
- Problem-solving, time management, planning, communication, teamwork.