

# ALEXANDRU PROFIR

*Computer Science Student*

## CONTACT

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 culbec

 alexandru-profir

## EDUCATION

- **Babeş-Bolyai University**  
Oct 2022 - Jul 2025  
*Bachelor in Computer Science*

## RELEVANT COURSEWORK

- **Object Oriented Programming**
- **Data Structures** and **Algorithms**
- **Operating Systems**
- **Databases**
- **Computer Networks**
- **Web Programming**

## SKILLS

- **Intermediate:** C/C++, Java, Git
- **Basic:** Python, HTML, CSS
- Linux Environments
- GitHub collaboration
- Problem-solving skills

## WORK EXPERIENCE

### VOLUNTEER

#### **Student Association "Hermes", Cluj-Napoca**

*Oct 2022 - Present*

- Took part in the **recruitment process**, which attracts over **100 students** in the "Hermes" family **every semester**.
- Got involved in the **organization** of **Student Job Fairs**, captivating **Computer Science enthusiasts** and many others.
- Organized **workshops** and **events** for students and association members, which resulted in **better communication** and a **stronger bond** between them.

### VOLUNTEER

#### **Quasar Robotics - RO 127**

*Sep 2018 - Sep 2020*

- **Improved** the **response time** of the robot by **60%** through the implementation of an **efficient maneuvering system**.
- **Cooperated** with the **technical team** to achieve the **best performance** through **code** and **physical approaches**.
- **Refactored** the **whole code base**, which resulted in **35% performance increase** and **faster compilation time**.

## PROJECTS

#### **Social Network Application**

*Oct 2023 - Jan 2024*

- Developed a simple social network to hone my skills in **Object Oriented Programming**.
- Built an **interactive GUI** using **Java**, **JavaFX**, **FXML**, **CSS**.
- Stored data in a **local database** using **PostgreSQL** and **encrypted** user passwords using the **BCrypt** library.

#### **Car Dealership Application**

*Feb 2023 - July 2023*

- Developed a simple car dealership as a project for my **Object Oriented Programming** course.
- Built an **interactive GUI** using **C++** and **Qt**.
- Improved performance by **60%** through implementing an **efficient Data Model**, measured by the **Visual Studio Profiler**.