

# Baltaretu Ana

Bachelor of Computer Science and Engineering

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## EXPERIENCE

### Team Leader, Programmer, 3D Modeler

#### First Tech Challenge - Primetech ↔

*A competition in which students have to design, build and program robots from scratch, as well as develop a fund raising strategy.*

- Managed a team of over 20 high-school students.
- Developed the autonomous and tele-controlled code for the robot in Android Studio (Java).
- Made an entire 3D Model of the robot in Fusion 360 and designed parts for 3D printing.

### Mobile developer

#### Technovation Challenge - EcoAlert ↔

*A world-wide app development competition for girls, with themes such as ecology and health. EcoAlert is an app adapted to the specific needs of an ecological project.*

- Developed the project using the Ionic 4 framework, and used Java Script, HTML and CSS.
- Implemented Google Maps API, the option to create an event and a way for the user to get notified when a new event is created.
- Worked with Firebase to save events and users.
- Launched the app on Google Play Store.

## EDUCATION

### Bachelor of Computer Science and Engineering

Delft University of Technology *2019 - Ongoing*

### Romanian Baccalaureate

Tiberiu Popoviciu High School, intensive *2015 - 2019*  
Mathematics and Computer Science courses

### Go to the Olympiad

Computer Science Olympiad training course, *2015 - 2019*  
C++, algorithms and data structures

### Academy+Plus Pool

Pitech+Plus training course, Linux and C *2017*

## TECHNICAL SKILLS

Algorithms, Data structures, C++, Java, GitHub, C, C#, Adobe Photoshop, Assembly, Ionic, Java Script, HTML, CSS, Android Studio, Fusion 360, Microsoft Office.

## SOFT SKILLS

Problem solver, Fast learner, Good at structuring code, Motivated, Team player, Leadership.

## PROJECTS

### Competitive programming problems ↔

- Solved problems using C++, algorithms and data structures.

### Platformer Game in Unity ↔

- Simple game with a character sliding around, made to develop my understanding of Unity.

### Brainfuck interpreter ↔

- Esoteric language interpreter written in Assembly AT&T.

## ACHIEVEMENTS

- Bronze medal at the national stage of the Computer Science Olympiad (2017), 3rd and 2nd place at the regional stage (2017, 2018).
- First place at the 3D Design category at Romania's National Robotics Summer Camp (2018).
- Catalyst Coding Contest 14th place out of around 200 teams (2018).
- Think Award at the Regional Stage of the First Tech Challenge worldwide robotics competition (2019).
- Qualification in the semifinals of the Technovation worldwide app development challenge (2019).

## LANGUAGES

Romanian - native

English - Cambridge English C2 Advanced qualification