

# GRIGORE IOANA

• Computer Science student •

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## ABOUT ME

I am a 3rd year Computer Science student with an open mind and seek ways to use technology in order to create better lives for people. I have a strong passion for science fields as Mathematics, Physics and Chemistry. I am interested in combining my knowledge I gathered from learning about these subjects with my skills I developed as a programmer and adding building blocks to the medical software industry. I am also tutoring high school students for Math and Physics due to my passion for both the subjects and teaching.

## EDUCATION

2018 - current • Politehnica University of Bucharest

Automatic Control and Computer Science

2014 - 2018 • Colegiul National "Sfantul Sava"

Matematica-Informatica

## COURSES AND PROJECTS

### Numerical Methods (Octave)

- Facial Recognition
- Clustering algorithm

### MCU Programming

- Self-stabilizing Spoon (Arduino)

### Convolutional Neural Networks for Medical Images Diagnosis (Python)

- Pneumonia detection with CNNs

### Procedural Programming

- TetriBit (command line Tetris)

### Web design (HTML5 + CSS3 + JavaScript)

- Website for Ichiraku Ramen

### Functional Programming (Racket)

- Flappy Bird

### Object-Oriented Programming (Java + Git)

- League of OOP
- Sheriff of Nottingham

## EXTRA - CURRICULAR ACTIVITIES

- **SSIMA 2019, Bucharest** - participant in the Summer School on Imaging with Medical Applications (AI use in medical technology)
- **Volunteering, Bucharest** - volunteer at a school for children with special needs, in partnership with "Strategia Nationala de Actiune Comunitara"
- **World of USO** - 5th place at Shell Scripting contest organised by the University

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## SKILLS

C/C++	Shell Scripting	Matlab/Octave	Teamwork skills
Java	Linux	Racket	Adaptability
Python	Git	Verilog	Curiosity

## EXPERIENCE

- *Embedded Programming Intern at Evolution Medtec*
  - worked on a project which involved building an AI model to classify medical images and using it on the STM32H747I board