

Diana-Georgiana Vintila

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EDUCATION

- **Faculty of Automatic Control and Computers, University POLITEHNICA of Bucharest** Bucharest, RO
Bachelor of Science in Systems Engineering Sep. 2018 – Jul. 2022
Undergraduate coursework: Introduction to Operating Systems, Computer Programming, Data Structures and Algorithms, Object Oriented Programming, Numerical Methods, Optimization Techniques

SKILLS

Programming Languages: Bash, C, C++, Java, Python, MATLAB **Mobile Development:** Android SDK, Firebase
Operating Systems: MacOS, Windows, Linux (Ubuntu, Parrot OS) **Databases:** PostgreSQL

CERTIFICATIONS

Android Developer Fundamentals, [Google Atelierul Digital](#)

PROJECTS

Breast Tumor Segmentation → [View on Github](#) *Nov. 2019 - Jan. 2020*

- Using a **MRI image database** to calculate the **tumor area** and to **predict illness behavior**.
- Implemented various algorithms: **Threshold**, **Fuzzy C-means** and **K-means** to extract the cluster which shows the group of abnormal tissues. Calculated area using convention 1 pixel - 0.256 mm^2 .
- Developed a **GUI** for this project using **MATLAB**.

Come with me - Travel Journal → [View on Github](#) *June 2020 - July 2020*

- Travel journal app that allows its users to keep track of their trips.
- Main Features: upload photos to the **Firebase Storage**, edit or delete a trip and save a trip in the **Firebase Realtime Database**.
- Developed with **Android Studio IDE** using **Java** and **Firebase**.

Pacman → [View on Github](#) *August 2020 - Present*

- **Self-taught** the basic ideas underlying to **artificial intelligence**.
- Implemented search algorithms such as: **DFS**, **BFS**, **Uniform Cost Search**, **A*** that helps Pacman agent find paths through his maze world.
- Developed this project using **Python 3** and **PyCharm**.