PERSONAL INFORMATION

Bulai Radu-Alexandru

📱 +40757747681

✉ radualexandrubulai@gmail.com

WORK EXPERIENCE

Jun 2019–Sep 2019

Summer Practice: Image Processing and Analysis Laboratory

Laboratorul de Prelucrarea și Analiza Imaginilor (LAPI), Facultatea de Electronică, Telecomunicații și Tehnologia Informației, UPB, București (Romania)

http://imag.pub.ro/

Main activities:

- Deepening the Python language for machine learning applications
- Research in image processing and computer vision
- Dataset preparation and preprocessing
- Researching, training and testing models that suits best for the type of data
- Development of algorithms and solutions for face analysis

EDUCATION AND TRAINING

2016–Present

Bachelor's Degree: Computer Science   EQF level 6

Faculty of Electronics, Telecommunications and Information Technology, University Politehnica of Bucharest, Bucharest (Romania)

http://www.electronica.pub.ro/

Main studies:

- Computer Programming, Data Structures and Algorithms, Object-Oriented Programming
- Database Design, Application of Programming Interfaces (API)
- Image processing, Image Analysis
- Form Recognition and Artificial Intelligence, Integrated Computational Intelligence
- Information Transmission Theory, Decision and Estimation in Information Processing
- Microprocessor Architecture (x86), Microcontrollers (x51, ARM)
- Education Psychology, Pedagogy, Didactic Speciality, Computer-Assisted Instruction, Pedagogical Practice in Pre-University Education

2012–2016

Baccalaureate Diploma - Final Grade: 9.50   EQF level 4

"Dimitrie Cantemir" National College, Onești (Romania)

- Theoretical Program, Science Profile, Mathematics-Computer Programming and Intensive English Studies

PERSONAL SKILLS

Mother tongue(s)

Romanian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

English

Communication skills	■ Team player
	■ Good communication skills gained from the meetings of the Electronics Students League and Psycho-Pedagogical module
	■ Cheerful person, perseverant, being very easy to adapt in a community
Organisational / managerial skills	■ Good leadership skills from being the head of the students groups I belonged to
	■ Consistency in organizing and planning tasks
Job-related skills	■ Fast learner
	■ Solution-oriented

Digital skills	European Computer Driving License (ECDL Certificate)

- Basic knowledge of programming languages and frameworks:
  - □ Python, C/C++, MATLAB
  - □ Keras (Tensorflow backend)
  - □ SQL
  - □ HTML, CSS
  - □ Java (for Android Development)
- General knowledge in using the following IDEs:
  - □ Anaconda Spyder, Jupyter Notebook
  - □ MySQL Workbench
  - □ Eclipse/Netbeans
  - □ Android Studio
- Experience with Microsoft Office Suite (Word, Excel, PowerPoint, Outlook) and Google G Suite (Gmail, Drive, Docs, Sheets, Calendar, Keep)
- Operating systems: Windows, Linux (Debian: Linux Mint, Raspbian, Ubuntu)
- Good knowledge of photo editing (Adobe Lightroom, Adobe Photoshop)

Projects	■ *(Jan 2020)* Database management application (5 tables) using **SQLite** in **Android**:
	□ https://github.com/radualexandrub/Android-SQLite-Database-MultipleTables
	■ *(Dec 2019)* Kivy GUI App for image conversion with gray levels and histogram display:
	□ https://github.com/radualexandrub/KivyGUI-Image-Histogram
	■ *(Jan 2019)* 2 web-based applications containing a **MySQL** database using:
	□ **JSP** https://github.com/radualexandrub/Web-App-MySQL-JSP
	□ **Hibernate** https://github.com/radualexandrub/Web-App-MySQL-Hibernate
Driving licence	AM, B1, B
Other skills	■ Amateur photographer (portfolio: www.flickr.com/radualexandru)
	■ Interested in Personal Growth, Psychology and Good Habits
	■ Rollerblading and biking