Andrei-Niculae PETRE

CONTACT
INFORMATION

phone: +40 727 029 961
e-mail: p31andrei@gmail.com
website: andreipetre.ro

EDUCATION

University POLITEHNICA of Bucharest, Romania   **Oct 2010 − present**

BSc, Major in Engineering and Computer Science (Class of 2014)

Faculty of Automatic Control and Computer Science

PROFESSIONAL
EXPERIENCE

University POLITEHNICA of Bucharest, Romania   **Oct 2013 − May 2014**
Teaching Assistant

Classes: Data Structures, Algorithms Analysis, Programming Paradigms.

Reference to:
- **Matei Popovici**, Analysis of Algorithms Professor, pdmatei@gmail.com
- **Alex Olteanu**, Data Structures Professor, alex.c.olteanu@gmail.com

uberVU, Social Media Analytics   **Jun 2012 − Sept 2013**
Software Developer

I had both frontend and backend responsibilities, working with a small team in a startup agile environment, on the edge of releases. We all wrote tests, offered code reviews, designed projects, following extreme programming habits.

Frontend: internal framework, django server, mysql, database migrations, deployment script

Backend: customize data acquisition controllers from pipeline, elasticsearch API

Languages used: python, coffeescript

Reference to:
- **Bogdan Sandulescu**, uberVU CTO, bogdans83@gmail.com
- **Andrei Ismail** uberVU Software Developer, iandrei@gmail.com

Artificial Intelligence & Multi-Agent Systems Lab   **Jun 2011 − Sept 2011**
Intern, AI Class homework design

I developed a homework for the AI class with a robot exploring a space. As a 1st year student, the declarative way of thinking from prolog was a challenging and wonderful experience. Customized a Linux minimal VM, as a sandbox for an open-source automated homework evaluation utility, **Vmchecker**.

Languages used: prolog, python, bash

Reference to **Andrei Ismail**, PhD Student, University POLITEHNICA of Bucharest, iandrei@gmail.com

COMPUTER
SKILLS

Python, Coffeescript: industry experience
C, Java: school and personal projects
Algorithms and Data Structures: school projects, programming contests
Linux: LPIC-1, operating systems classes (user,kernel space)

OTHER
ACTIVITIES

ROSEdu (member Aug 2011 - present) is a community of programming and open source software enthusiasts in the educational environment. Our mission is to initiate, support and develop education based on the values of open source. Throughout the years I have been involved in many projects:
- **coordinated** the **Open Source Development Course**, for two consecutive editions
- offered **mentorship** and **held technical presentations** (git, Flask) for the *Open Source Development Course*
- offered **mentorship** in a course dedicated to teaching high school teachers Python programming language, so they can afterwards teach it in class
- part of a team involved in writing a Python book addressed to high school and beginners in programming

Reference to **Razvan Deaconescu**, ROSEdu Founder, razvan.deaconescu@cs.pub.ro

National Romanian Scouts (member 2007 - present)
Being a scout means to me to always be happy, friendly, play games, hike, camp, as well as make new friends and be a good example for those alongside.

Hobbies: I very much like to swim. From time to time, I hike on Romanian mountains. Also, in my spare time, I like to improve my chess game.