Andrei-Niculae PETRE

CONTACT
INFORMATION

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

EDUCATION

Politehnica University 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

uberVU   **Jun 2012 − Sept 2013**

Software Developer, frontend, backend, testing, used deploy system

On the frontend side I worked on building and enhancing our coffeescript internal framework (Mozaic.js), together with tweaking our django API. While working on django, I wrote unit & integration tests, did data & schema migrations, and customized the django part which was a middleware for our backend infrastructure. On the backend I customized controllers from our pipeline based infrastructure, dealing with data from social platforms. My recent work involved forwarding data to our elasticsearch db, as well as stemming words to produce more accurate n-grams.

I wrote a script that used our deployment merging system. It rsync'ed the code on machines and then did application specific steps (e.g. migrations, bundling js etc.).

Reference to **Bogdan Sandulescu** (CTO, uberVU) - e-mail: bogdans83@gmail.com
Reference to **Andrei Ismail** (Developer, uberVU) - e-mail: iandrei@gmail.com

Politehnica University of Bucharest, Romania   **Oct 2013 − present**

Teaching Assistant, Algorithms Analysis class

Contains: pseudocode, complexities, turing machine, calculability, NP-completeness etc.

Reference to **Matei Popovici** (Analysis of Algorithms Professor) - e-mail: pdmatei@gmail.com

Artificial Intelligence & Multi-Agent Systems Lab   **Jun 2011 − Sept 2011**

Intern, prolog, git, python, bash, virtual machine

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 to run over an open-source automated homework evaluation utility, **Vmchecker**.

Reference to **Andrei Ismail** (PhD, AI-MAS Group) - e-mail: 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

OTHER
ACTIVITIES

ROSEdu member   **Aug 2011 - present**

ROSEdu (Romanian Open Source Education) is a community of students from my university, passionate about IT and open-source. We develop open-source projects and organize different events.

- Jun 2011 - Jun 2012: responsible with organizing the *Open Source Development Course*, for two consecutive editions
- Mar 2013 - Oct 2013: involved in a mentorship session and held technical presentations (git, Flask) for *Open Source Development Course*
- Oct 2013 - present: involved in a course dedicated to teaching high school teachers Python programming language, so they can teach it in class
- Oct 2013 - present: involved in writing a book in Python addressed to high school and beginners in programming

Reference to **Razvan Deaconescu** (ROSEdu Founder) - e-mail: razvan.deaconescu@cs.pub.ro

National Romanian Scouts member

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: swimming, hiking, chess