Andrei-Niculae PETRE

CONTACT
INFORMATION

phone: +358 41 362 6333
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EDUCATION

MSc, Machine Learning and Data Mining   Sept 2014 - present
Aalto University, Finland
School of Science

BSc, Major in Engineering and Computer Science   Oct 2010 - July 2014
University POLITEHNICA of Bucharest, Romania
Faculty of Automatic Control and Computer Science

PROFESSIONAL
EXPERIENCE

dev.Label, Bucharest   Aug 2014 - present

Frontend & Backend Developer

I was the main developer for a payment product for both the frontend widget and the backend that would execute a transaction using brokers. Also I've done research on integrating Paypal and Stripe API for a specific client scenario.
Languages used: Groovy, Javascript, Coffeescript, node.js
Reference to **Iacob Cosoroaba**, Full Stack Developer, cosoroaba@gmail.com

University POLITEHNICA of Bucharest, Romania   Oct 2013 – May 2014
Associate Teaching Assistant

Classes: Data Structures, Algorithms Analysis, Programming Paradigms (teaching and homework assignements)
Reference to:
- **Matei Popovici**, Analysis of Algorithms Professor, pdmatei@gmail.com
- **Alex Olteanu**, Data Structures Professor, alex.c.olteanu@gmail.com

uberVU via HootSuite   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: event-based javascript framework, django, mysql, database migrations, deployment script

Backend: customize data acquisition controllers from pipeline, mongoDB, 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

COMPUTER
SKILLS

Good: C, Python, Java
Medium: C++, Javascript/Coffeescript, prolog
Beginner: shell scripting, haskell, scheme
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: chess, swimming, jogging, hiking.