

# Andrei-Niculae PETRE

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## CONTACT INFORMATION

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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

**Crowdboost**, San Francisco, CA Feb 2015 - present  
Software Developer

This is the first real startup that I've been working on (YC-backed), small team of 5-6 people where I have a huge influence over everything, I love how fast everything is going! I'm doing **Python programming** with Django/Flask, some Ruby on Rails, some javascript and whatever is needed, really; we switch fast! I'm also learning things on the business side, which is kind of new and interesting to me.

**dev.Label**, Bucharest Aug 2014 - Jan 2015  
Frontend & Backend Developer

Worked for [TradeIT](#) at its very beginning on both frontend for browser widget and backend, integrating the widget with all main brokers. Languages used: Groovy, Javascript, Coffeescript  
Reference to **Iacob Cosoroaba**, former dev.Label coding partner, [cosoroaba@gmail.com](mailto: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 assignments)  
Reference to:

- **Matei Popovici**, Analysis of Algorithms Professor, [pdmatei@gmail.com](mailto:pdmatei@gmail.com)
- **Alex Olteanu**, Data Structures Professor, [alex.c.olteanu@gmail.com](mailto: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, worked everywhere across the stack.

Frontend: in-house mozaic.js framework (pub-sub), django, mysql, migrations, deployment script

Backend: pipeline data acquisitions controllers, mongoDB, elasticsearch API

Reference to:

- **Bogdan Sandulescu**, uberVU CTO, [bogdans83@gmail.com](mailto:bogdans83@gmail.com)
- **Andrei Ismail** uberVU Software Developer, [iandrei@gmail.com](mailto:iandrei@gmail.com)

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

## COMPUTER SKILLS

Good: C, Python, C++, Java  
Medium: Javascript/Coffeescript  
Beginner: shell scripting, haskell, scheme, prolog  
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](mailto: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, climbing, swimming, lock picking, hiking, juggling.