

# 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

**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](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, 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](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  
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](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: I very much like to swim. From time to time, I hike, jog and play chess.