

Andrei-Niculae PETRE

CONTACT INFORMATION

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EDUCATION

MSc, Machine Learning and Data Mining Sept 2014 - paused
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

PRX.co (formerly Crowdbooster), San Francisco, CA Feb 2015 - present
Software Developer

I've been part of a small engineering team in PRX from its very beginning. We're building the first scalable PR system, connecting our clients with journalists that cover topics similar to our clients' businesses. Some examples of things I worked on: crawling journalists and their articles, our own inbox and campaign manager, internal tools for our PR people to use, periodic workers to scrape and be polite.

Using: Python, Django, Elasticsearch, postgres, scrapy, celery, AWS SQS service for workers, Redux and Node.js for our frontend for clients and our PR agents.

University POLITEHNICA of Bucharest, Romania Oct 2013 – present
Associate Teaching Assistant - Object Oriented Programming, Data Structures, Algorithms Analysis, Programming Paradigms.

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

Worked on [trade.it](#), a proxy system that facilitates usage of multiple broker systems like TD Ameritrade, Scottrade etc. Used: Groovy, Javascript, Coffeescript, ChromeDriver.

HootSuite (formerly UberVU), Bucharest, Romania 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. Worked everywhere across the stack.

Frontend: in-house mozaic.js framework (pub-sub pattern), django, mysql, simple CI system and deployment scripts

Backend: pipeline data acquisitions controllers, mongoDB, Elasticsearch API

Artificial Intelligence & Multi-Agent Systems Lab Intern Jun 2011 – Sept 2011
Developed a homework for the Politehnica University AI class in Prolog while a first-year student.

COMPUTER SKILLS

Good: C, Python, C++, Java
Medium: Javascript, Coffeescript, nodejs
Beginner: shell scripting, haskell, scheme, prolog
Linux: LPIC-1, operating systems classes (user+kernel space)

INTERESTS AND ACTIVITIES

ROSEdu (Romanian Open Source Education) active member Aug 2011 – Sept 2014
ROSEdu is a community of programming and open source software enthusiasts in the educational environment. Throughout the years I've:

- been part of team for teaching python in schools py4school.rosedu.org
- coordinated an open source course (CDL) for two editions cdl.rosedu.org
- wrote some technical articles for [GDB](#) and for [Git](#)
- held technical presentations for Git and Flask in CDL course

Hobbies: rock climbing, swimming, hiking, running, chess.

Cool things you should try: lock picking, juggling.