

Andrei-Niculae PETRE

CONTACT INFORMATION	address: Str Aleea Terasei Nr. 3, Bl. E3, Sc. 1, Ap. 5, Sector 4, 041771 Bucharest, Romania mobile: +40 727 029 961 e-mail: p31andrei@gmail.com links: github , linkedin
OBJECTIVE	Software Engineering Intern
EDUCATION	Politehnica University of Bucharest , Romania October 2010 – present Faculty of Automatic Control and Computer Science <i>Computer Science - Undergraduate (Class of 2014)</i>
PROFESSIONAL EXPERIENCE	uberVU June 2012 – September 2013 <i>Software Developer</i> I have worked in becoming a full stack developer, from coffeescript to providing the API in django, to using our automatic deploy system and integrating it elsewhere, to touching some of core components of our data acquisition controllers. Also did unit, integration and some acceptance testing with selenium. We developed our own single page app coffeescript framework (open source), mozaic . It relies on backbone.js and publish-subscribe design pattern. 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 <i>Teaching Assistant</i> October 2013 – February 2014 Teaching assistant for undergraduate Analysis of Algorithms course. My tasks include, but are not limited to: teach during laboratory classes, create materials for laboratory classes, evaluate homeworks done by students. <i>Contains:</i> pseudocode, complexities, turing machine, calculability, NP-completeness etc. Reference to Matei Popovici (Analysis of Algorithms Professor) - e-mail: pdmatei@gmail.com AI-MAS Laboratory June 2011 – September 2011 <i>Student Developer, mentored by Andrei Ismail</i> Developed a homework for the faculty's AI class (4th year subject). The homework consists of programming a robot to explore an infinite grid with obstacles, looking for resources. Used git and added unit tests for homework. Built a Linux minimal virtual machine (VMWare-based) with the unit-testing framework on it, used for integrating the homework with the open-source automated homework evaluation utility, Vmchecker . Languages used: Prolog, Python, bash Reference to Andrei Ismail (PhD student, AI-MAS Group) - e-mail: iandrei@gmail.com ROSEdu member August 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. <ul style="list-style-type: none">• Past coordinator of <i>Open Source Development Course</i>, June 2011 - June 2012. Reference to Razvan Deaconescu (ROSEdu Founder) - e-mail: razvan.deaconescu@cs.pub.ro Linux Professional Institute Certificate-1 February 2011 – May 2011 <i>Completed course by passing an internal exam.</i> Reference to Razvan Deaconescu (PhD student, Computer Programming) - e-mail: razvan.deaconescu@cs.pub.ro
PROGRAMMING LANGUAGES	<i>Good knowledge:</i> C <i>Medium knowledge:</i> Python <i>Beginner:</i> Prolog, bash, JavaScript, ruby, java, C++, Coffeescript
OTHER ACTIVITIES	Scouts member , Bucharest, Romania Scouting seeks the formation of responsible young people available to contribute to building a better world, and we try to do just that, by making use of entertaining activities like: hiking, camping, games, fire songs/stories, survival techniques etc. Hobbies: swimming, hiking, chess, table tennis, reading