

# Mihnea DOBRESCU-BALAU

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**ABOUT** Open Source enthusiast, studying Computer Science and Engineering. Interested in programming languages, functional programming and the Open Web. Fan of basketball and photography.

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**EDUCATION** **University POLITEHNICA of Bucharest, Romania** **October 2010 – present**  
**Faculty of Automatic Control and Computer Science**  
*Undergraduate Student*  
• Expected graduation date: July 2014

**Vrije Universiteit Amsterdam, The Netherlands** **February 2014 – present**  
**Faculty of Sciences**  
*Erasmus Exchange Student*  
Exchange semester, studying the following courses:  
• The Social Web  
• Intelligent Web Applications  
• Data Mining Techniques

**PROFESSIONAL EXPERIENCE** **uberVU** **December 2013 – present**  
*Open Source Hacker*  
Working on open source tools, trying to improve developers' workflow.  
• [Elasticboard](#)  
• [Elasticsearch GitHub river](#)  
*Technologies:* Python, JS, Elasticsearch, Kibana, Java, Backbone

**Mozilla Corporation** **June 2013 – September 2013**  
*Software Engineer Intern, Automation and Tools*  
[Parallelized](#) the XPCShell test harness to reduce end-to-end test times. Saves around 5 years of compute time every month. Created a module to log per-test system resource usage. Worked on tools to compute and display infrastructure load and job times.  
*Technologies:* Python(2.x), JS, C, C++, Clojure, Bash

**Mozilla Corporation** **July 2012 – September 2012**  
*Software Engineer Intern, Automation and Tools*  
Worked on various automation tasks related to Boot2Gecko (Firefox OS). These included: porting existing test harnesses to work with the new OS, designing and implementing a generic test results processing module and implementing a cross platform software agent that abstracts the device it is running on and exposes a feature complete interface to the higher level test harnesses.  
*Technologies:* Python(2.x), Android NDK, C++, Bash

**Google Summer of Code 2011** **May 2011 – August 2011**  
*Student Developer*  
Developed a bug reporting tool for **openSUSE**. Implemented features like automatic information gathering, automatic maintainer finding, duplicates search, (package) autocompletion, user aiding, query and submit.  
*Technologies:* Python(2.x), Bash

**PERSONAL PROJECTS** **Undergraduate Teaching Assistant** **October 2011 – February 2014**  
*University POLITEHNICA of Bucharest*  
• Computer Programming (C)  
• Data Structures (C)  
• Introduction to Operating Systems (UNIX)  
• Programming Paradigms (Scheme, Haskell, Prolog, CLIPS)  
• Algorithm Analysis

## Open Source Contributor

- Mozilla
- Linux
- ROSEdu projects
- [others](#)

## Talks and Workshops

- Why and how to apply for a tech internship abroad
- Why and how to apply for Google Summer of Code
- Mozilla-related talks
- Python workshops

## PROGRAMMING LANGUAGES

*Good knowledge:* C, Python

*Medium knowledge:* JavaScript, C++, Scheme, Java, Clojure

*Beginner:* Haskell, Scala, Bash

## AWARDS AND ACHIEVEMENTS

### Hackathons and Contests

- Yahoo! Open Hack London 2013: *Hacker's prize*
- Facebook Hackathon @ UPB: *Second prize*
- Intel Upstream Challenge: *First prize*
- Teamnet Hackathon: *Second prize*

### Extracurricular classes

- Functional Programming Summer School @ UPB: *highest score, 40% graduation rate*

## OTHER ACTIVITIES

### ROSEdu

*Member*

**July 2011 – present**

**ROSEdu** (Romanian Open Source Education) is a student organization of open-source enthusiasts.

- Coordinated two editions of the *Open Development Class* together with a colleague.
- Mentored a number of students on the World of USO open source project.
- Helped with the *Linux Install Fest* event.
- Coordinated Py4School, an extracurricular Python class for high school teachers and students.