

Laura Vasilescu

Curriculum Vitae

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Education

October 2014 – **PhD. Candidate**, *University POLITEHNICA of Bucharest*.
present Faculty of Automatic Control and Computers
Area of study: Computer Architecture, Operating Systems, Networking

October 2012 – **Master Degree**, *University POLITEHNICA of Bucharest*.
September 2014 Faculty of Automatic Control and Computers
Area of study: Advanced Network Security
thesis: *Compiler for Vector Processing with Frequency Scaling at Instruction Level*
GPA: 9.86, Dissertation: 10

October 2008 – **Bachelor Degree**, *University POLITEHNICA of Bucharest*.
September 2012 Faculty of Automatic Control and Computers
Specialization: Computer Science and Engineering
Area of study: Compilers & Operating Systems (C3)
GPA: 9.55, Diploma: 10

Work Experience

November 2014 – **Teaching Assistant**, *University POLITEHNICA of Bucharest*.
present Faculty of Automatic Control and Computers

- Introduction to Programming
- Compilers
- Operating Systems
- Operating Systems Internals

May 2014 – **Research Intern**, *IBM Research, Zurich*.
September 2014 - created a workload characterization framework that analyzes memory access patterns in a hardware architecture agnostic manner
January 2015 – - member of the DOME project that performs fundamental research towards
March 2015 building the international Square-Kilometer Array (SKA), the world's largest and most sensitive radio telescope

June 2013 – **Linux Kernel Developer Intern**, *Linux Foundation, anywhere*.
September 2013 - implemented Ethtool features for the igb driver
- speaker at LinuxCon Europe 2013, in Edinburgh

July 2012 – **Research Assistant Intern**, *IXIA, Bucharest*.
September 2012 - co-developed a fuzz testing prototype for stateful protocols
- analysed solutions for emulating custom hardware

June 2011 – **Linux Software Engineer Intern**, *IXIA, Bucharest*.
September 2011 Tasks related to PPP, L2TP and L2TPv3 network protocols:
- troubleshooting
- bug fixing
- implemented features across different architectures

Keywords

- Operating Systems
- Computer Architecture
- Networking
- Education
- Kernel Programming
- Compilers
- Security
- Free Software

Achievements

- 2015 - Google Anita Borg Scholar
- 2013 - GNOME Foundation Scholar in Outreach Program for Women
- 2013 - 2nd place at DefCamp Capture The Flag competition
- 2012 - 1st place at DefCamp Capture The Flag competition

Volunteer Experience

October 2009 – present **Member**, *Romanian Open Source Education (ROSEdu)*.
<http://rosedu.org>

- **April 2012 - December 2014**: President
- **April 2010 - March 2012**: Board Member

Languages

- Romanian - **native**
- English - **good**

Abilities

- Communicative and adaptable
- Punctual
- Enthusiastic
- Ambitious and hard-working
- Responsible
- Open-minded