Jan-Alexandru Vaduva

Curriculum Vitae

Str. Popesti Vest nr. 15
Bucharest
✆ *0736.630.052*
✉ *vaduva.jan.alexandru@gmail.com*

Education

October 2015–Present	**Phd Program**, *Faculty of Computer Science, Politehnica University of Bucharest*, Romania, Security in automotive operating systems.
October 2013–June 2015	**Master of Science**, *Faculty of Computer Science, Politehnica University of Bucharest*, Romania, Advanced computer architectures master.
October 2009–June 2013	**Bachelor of Science**, *Faculty of Computer Science, Politehnica University of Bucharest*, Romania, Computer architectures and parallel processing department.

Published work

May 2014–August 2015	**Published Articles**, *during masters study*. Design and Implementation of an Intelligent Haptic Robotic Glove(International Conference and Exposition on Electrical and Power Engineering), Android application that controls Internet of Things devices(Networking in Education and Research 14th RoEduNet Conference)
October 2014–June 2015	**Learning Embedded Linux using the Yocto Project**, *Author, Published by Packt Publishing*. https://www.packtpub.com/application-development/learning-embedded-linux-using-yocto-project
October 2013–April 2014	**Embedded Linux Development with Yocto Project**, *Reviewer, Published by Packt Publishing*. https://www.packtpub.com/application-development/embedded-linux-development-yocto-project

Experience

September 2015–Present	**Embedded Softare Development Engineer**, *Mentor Graphics Romania*. Development and integration for the Mentor Graphics automotive packages
June 2012–September 2015	**Software Engineer**, *Enea Services Romania*. Enea Linux (Yocto based Linux distribution) MAN board bring-up, HP m400 demo, Freescale B4860 board integration and related distribution work, main contact for the meta-cgl initiative, Yocto Zynq-ZC702, Zynq-ZC706, pandaboard demo for Enea LWRT and Linx, Yocto Broadcom XLP/XLR demo layer which integrated their SDK, Yocto internal course laboratory exercises, FreeRTOS CAN, I2C interface comunication
March 2014–Present	**Software Engineer**, *Start-ups ad open-source involvement*. Nivalis, CoFounder: Cisco MSE architecture(MSE Mobility Services API) customer segmentation and targeting application; Wyliodrin, Integrated the Wyliodrin client inside Intel IoT Yocto Project support; Yocto Project meta-cgl maintainer, enable Carrier Grade Linux compliance through a reference Linux distribution
April 2013–February 2014	**Software Engineer and CoFounder**, *Daisy Pi*. Home monitoring device for software and hardware enthusiasts

July 2011–May 2012	**Assistant Programmer**, *Luxoft Professional Bucharest*. Industrial ethernet switches firmware/software projects for a German company, porting SMON and sFlow, bug fixing SMON, TCP, UDP, ping, traceroute, IP
December 2009–Present	**University related projects**, image proccesing, spell checker using English dictionary,WebHob/Toaster web interface design for the Yocto Project, an RSS Reader and a 15-Puzzle Game for Android phones, Voice triggered hand gestures device for helping people recover their hand mobility.
November 2010– February 2011	**Android programming course**, Learned the Android specific programming paradigm and developed a couple of Android based mobile phones applications.

Computer skills

Programming languages	*C, C++, Java, Scheme, Prolog, Matlab, Pascal, Linux scripting, Python*
Database interaction	HTML, XML, CSS, MySQL, MS SQL Server, ADO
GUI and graphics	Windows Forms, Win32, OpenGL
Networking protocols	TCP/IP, SMON, sFlow
Operating systems	Windows, Linux, FreeRTOS, VxWorks
IDEs and Tools	Visual Studio, Eclipse, Vim, Wind River Workbench, git, CVS, SVN

Languages

English	**Proficient**	*problems when speaking*
French	**Basic**	*improving*

Social skills and competences

-Great sense of responsibility

-Good grasp of algorithms and data structures

-Team-oriented attitude, very sociable

-NGO-s experience:training, projects and volunteering activities since high school