

Gabriel Ivanica

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Education

2010 – Present Day

4th year student at **University Politehnica of Bucharest**, Faculty of Automatic Control and Computers, studying Computers Science field.

Expected graduation date: June 2014

2006 – 2010

National High School of Mathematics and Computer Science "Tudor Vianu",
Bucharest, Romania (final grade – 9.87)

Work Experience

Summer 2013 - GSoC student at Mozilla – CSS Tools for Mozilla Developer Network

Javascript, HTML 5, CSS3

Code: <https://github.com/ReDEnergy/GSoC>

Tools: <https://developer.mozilla.org/en-US/docs/Web/CSS/Tools>

Summer 2012 - Internship at Gameloft Bucharest –PHP programmer

Back-end: PHP, MySQL, XML, SOAP, WSDL

Front-end: HTML, JavaScript, CSS

Building and maintaining websites, launching web platform for selling games, billing systems, various bugs

2011 – 2012 - (3 months) web developer at Vertistudio.com

Back-end: PHP, MySQL, XML

Front-end: HTML, jQuery, CSS

Summer 2010 - QA game tester - Gameloft Bucharest.

Courses

- 2013 - Gameloft 3D programming– writing a basic 3D Engine in C++, OpenGL and GLSL
- 2009 - Oracle Database Modeling and SQL

Other Experience

ACM Contest 2013	participated at Romanian national contest
GitHub Account	https://github.com/ReDEnergy
Addon Development	https://addons.mozilla.org/en-US/firefox/user/5797747/
Mentor at CDL	http://cdl.rosedu.org/2013/#english
Ubisoft AI Chalange	Bomberman AI – 1 st Place (Team of 4 members)

Relevant Courses

Operating System – threads, processes, advanced IO operations
Algorithms Analysis and Design (C++)
Computer Programming and data structures (C)
Object Oriented Programming
Networking and Communication Protocols

Computer Skills

- Good experience in C, C++, PHP, OOP
- Very good experience of JavaScript , design patterns, Common JS modules, Node.js
- Very good knowledge of web technologies: HTML, XML , CSS
- Beginner - Java and Python
- Networking – TCP-IP / OSI
- Parallel programing – MPI / pragma omp / Java Threading / python threading
- SQL based Databases and modeling, noSQL - basic Redis
- Versioning system (Git, SVN, Mercurial)
- Makefiles, Bash scripting
- Web Design, Front End UI, Photoshop

Special Interest:

- **Mozilla Representative** - https://reps.mozilla.org/u/gabriel_ivanica/
- **Webmaker Mentor** – teaching web - <https://reps.mozilla.org/e/webmaker-party-at-ip-workshop-2013/>
- Member of **Ceata Foundation** (<http://www.ceata.org>) a Romanian Free Software Foundation that promotes freedom of software and other technologies and arts.
- Firefox Add-ons development
- User interfaces design and computer graphics

Languages:

Romanian	Native
English	Good written and verbal communication skills
Spanish	Good understanding

Hobbies:

Web design and technologies – JavaScript, HTML5, Canvas
PC Hardware & IT Technologies, reading about Science, Astronomy
3D Graphing modeling and animations

Reference can be provided upon request