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An enthusiast Computer Sciences engineer student graduating in June 2016. With great programming and project leading experience, I am looking for an opportunity to expand my knowledge of the English language while discovering new techniques and improving my computer skills.

Education

Engineering studies at the INSA (National Institute of Applied Sciences) of Toulouse, France

5th year over 5 (master degree), Informatique et Réseaux (Computer Sciences and Networks)

Scientific and engineering baccalaureate, Lycée de Mirepoix (Mirepoix High-School)

Mention “Très bien” (with honors).

Notable courses at INSA:

- Object-oriented programming;
- Real-time programming;
- Critical embedded systems;
- Wireless networks;
- Project management;
- Agile methods;
- ...

Employment and other experiences

June 2015 –

September 2015

Work experience

Java developer intern – Intesens, Labège, France

- Developed on a back-end server and a web front-end application.
- Learned and practiced the Agile and Scrum methods.
- Discovered technologies and stakes relevant in the domain of the Internet of Things and Connected Objects.

June 2014 –

today

Non-profit associative experience

Programming team supervisor at the Robotic Club of the INSA de Toulouse

- Centralized and coordinated the work in a team of 5 programmers.
- Member of the Club since September 2013, author of great improvements to the project architecture.
- Programmed and worked with multiple embedded systems at different layers of abstraction.
- Welcomed and trained new students to the technologies and habits of the Club.

November 2013 –

June 2014

Work experience

Technical Support Manager – Critsend, Paris, France

- Direct contact with clients from multiple nationalities (France, UK, USA...): confrontation to real-world issues and crisis management, mostly in English.
- Applied knowledge of Web and Emailing technologies at a large scale.
- Home office job requiring great coordination and organisation abilities.

2011 –

today

Non-profit associative experience

Elected member in the Conseil Régional du Sport Universitaire de Toulouse

- Decisional power over an institution with more than 7000 active members.
- Large and small meetings with important people and politics, developing my team work skills.

2010 –

March 2015

Non-profit associative experience

INSA Toulouse’s Sport Club Treasurer

- 70 k€ yearly budget management.
- Worked in different teams and led important activities with varying responsibilities.

Qualifications and skills

Projects

- Developed multi-platform 2D and 3D games:
 - Very good knowledge and practice of the C++ language, OpenGL API.
 - Graphical User Interfaces conception (using Cocoa, Qt, GTK+, Android APIs).
- Realized a Petri Net editor in C# coming with its C++ runtime, which together allowed to successfully build the behavior and artificial intelligence of the robots of the robotic club of INSA Toulouse.
- Wrote a client carpooling application running on Android devices and its centralized server written in Java for the Sopra Group (school project).
- Created (with payment) a home alarm system with motion sensors and digital cameras:
 - Administration through the Internet on Android smartphones.
 - Handcrafting of the electronic circuitry, along with the secure client/server architecture.
- Embedded programming on a quadcopter drone in a team of 4, using Agile methods (school project).
- Conceived and implemented a compiler of a subset of the C language in a team of 2:
 - Lex and Yacc-based lexer and parser.
 - Assembly generation targeting the specified custom Von Neumann architecture.
 - Programmed a FPGA in VHDL to execute the generated assembly.

Programming

- Great knowledge of C++ (C++98, 11 and 14), C and Objective-C programming languages, advanced practice of C# (5.0) and Java (7), all of them enhanced in multiple personal and school projects. Good skills in Python, Bash, some notions in OCaml and ADA.
- Web programming (PHP, HTML5/CSS3, SQL, notions in Javascript).
- Agile method (work, school and personal experience).
- Continuous integration (work and personal experience).
- Test driven development (work and personal experience).

General IT skills

- Very good experience with GNU/Linux, OS X and Windows environments.
- System administration on Linux and OS X (ssh, OpenVPN, Apache, Tomcat, fail2ban, Monit...).
- Emailing (SMTP, GnuPG).
- Version Control Systems (Git, SVN), CMS (WordPress).

Languages

- French: Native language:
- English : Very good oral and written English (TOEIC: 980/990, June 2015), good speaking skills. Competent with computer science-related technical English.
- German: Independent user when writing or speaking.

Others

- Climbing sessions management diploma, managed INSA's climbing sessions for 4 years. Passed French First Aid certification level 1 (PSC1).
- I enjoy rock climbing, rugby, computer sciences, manual labour and music.