Matthieu RUDELLE

20 Years old
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Education

2011 – 2016	**École Polytechnique Fédérale de Lausanne (EPFL), Switzerland** 1st year Master at the School of Computer and Communication Sciences (Avg. grade 3.7 GPA, **Ranked 4th** amongst over 70 students) Main courses includes Computer Network, Algorithmic, many subjects in Mathematics and Physics, Databases and Machine Learning
2013 – 2014	**University of Bristol (UoB), UK** Academic exchange (Erasmus) in Computer Science. Focus on Product Software Engineering, Databases, Internet Computing, System Security.
to 2011	**Lycée Pierre Termier, Grenoble, France** High school diploma in Engineering Science with Mathematics, Cum Laude

Experience & Projects

July – Aug. 2014	**Summer Internship**: build a Web application from back-end (**Django, Apache**) to front-end development (**WebGL, HTML5, JS**) featuring a **responsive** gallery of paintings along with a **user friendly** interface to relight artworks in a 3D environment.
Oct. 2013 – May. 2014	**Bachelor group project**: Web app using **Google App Engine** for research and medical purpose We are a team of 6 dedicated students, working in relation with a company specialized in web development to build a Cloud-Based, collaborative web application. I worked more personally on building **HTML5** content, **JS/JQuery** application and formatting in **CSS**. I also worked on **Django** and **Python** to deal with page/pagelet generation and templating – Github
Jan. – July 2013	**Teaching Assistant** at EPFL in **Programming** and **Computer Science Project** Help students to get started and understand the inner workings of **Java.**
October 2012	**Volunteer** at Forum EPFL (Event connecting firms with students) Situation : **Firms support (reception, supervision)** and **logistic**.
June – July 2012	**Software development from scratch** for Alpreco (Seyssinet-Pariset, France) Food and HACCP **analysis reporting software**. (**Java, ~8Kloc**) Software features: parse raw bacteriological results (in .csv), cross-reference the information with customer and norm databases, Manage reports: generate, edit and store results in **database (~10K per year),** generate and print PDF for certificates. Solution replaces the old production system since July 2012 resulting in paperwork **time cut in half** (i.e. **~300 hours gain per year**)
Feb. - June 2012	**Course project**: Simulated airport tower (centralized server) Software features: Communication (instructions and media) over a **RSA secured network**, management of landing priorities (ex. crisis scenario), user friendly UI,... Team project in Java (**~11Kloc**). **Multi-thread** and **concurrency** programming.

Skills

Java: 2 Years, 3 consequent team projects, perfect practice and api knowledge, **C++**: Project on ray tracing for 3D render
Scala, C, Shell, Perl, Python, Prolog, SQL, MySQL: 1 Year, academic knowledge. **Android**: Basic knowledge
Web Dev : **PHP, HTML5, SQL, JS, Angular, SCSS, LESS** (many Github Projects and personal Websites for Projects > mrudelle.com)
Experienced with **Agile Methodology** and **Git**

French	Native Language
English	**C1** (CEFR) (fluent)
German	A2 (CEFR) (written and read)
Other	Driving license

Leisure

Sport : Volley Ball, Cycling (I ride roughly 2000km a year), SlackLine, Swimming, Badminton, ...
Computer Science: **Self-learning** (**LaTeX**: for most course handouts, **Android**, **Web Development**, **Big Data** ...)
February 2013 : Participation to the **Helvetic Coding Contest** (time pressure: 4h for 18 issues, Team work)