Félix VEYSSEYRE

Full stack web developer, engineering degree in computer science and applied mathematics

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Education

2014 - 2015 **Engineering cycle at *CPE Lyon*** (Lyon, FR), fifth year of higher education (theory and practice) in *Electronic, Computer sciences and Telecommunication* with major in Mathematics and Image Processing. Achievement of a scientific research project on motion analysis, applied to heart tracking

2011 - 2013 **Engineering cycle at *CPE Lyon*** (Lyon, FR), third and fourth year of higher education (theory and practice) in *Electronic, Computer sciences and Telecommunication* with taking of optional modules in graphs and algorithms, optimization technics and modeling technics - **Scientific Award of Excellence**

2009 - 2011 **Preparatory class for *CPE Lyon*** (Lyon, FR), first and second year of higher education (theory and practice) in Mathematics, Physics, Engineering Sciences and languages

Work experiences

2015 - 2017 **R&D engineer**, at *Kitware, Inc.* (Lyon, FR): full stack web developer
- Conception of a web application, allowing users to view and interact in real time with scientific simulations, using distributed remote rendering
- Conception and development of a modular content management web application. Designed to provide high performance, high availability, to be scalable and secure
- Conception and development of a image web viewer handling very large images with multiple dimensions (space, time, colors channels, etc.)

2014 - 2015 **R&D junior engineer**, at *Orange* (Lyon, FR): final year internship
- Conception and development of a distributed and scalable log analyzing web application. Designed to allow real-time browsing, graphing and detection of unusual behaviors from the logs of a cluster of servers

2013 - 2014 **R&D junior engineer**, at *Kitware, Inc.* (Carrboro, USA)*, gap year in computer science, data analysis and data visualization
- Conception and development of a web application allowing the analysis of several mailing lists and its users
- Development in a collaborative pointcloud visualization and managing web application
- Conception and development of the processing workflow of pediatric airways imaging data

Language skills

French Native speaker

English Very good working knowledge, *Cambridge English Certificate*

Spanish Good working knowledge, *european honors at scientific baccalaureate*

Technical skills

Backend Symfony, CodeIgniter, Twig, Doctrine

Frontend AngularJS, React, jQuery UI, jQuery, LESS, CSS

Database MongoDB, MySQL

Web visualization Three.js, VTK.js, WebGL, ParaViewWeb, GoogleChart, Plotly.js, GoogleMaps API, OpenLayers

SysAdmin Unix, Apache, Crontab, Shell, Python, RSYSLOG, Iptable

Software C++, Qt, CMake

Testing Behat, PHPUnit

Data analysis MATLAB, ParaView, SciPy, MatPlotLib

Others Git, Travis, Composer, NPM

Extra-curricular activities

Passions World traveling, photography, architecture, design, numeric arts, electronic music

Sports Cycling, running, swimming and triathlon

Other Very keen on new technologies