

# GUEUNET CHARLES

✉ Charles.Gueunet@lip6.fr ☎ +33 6 01 18 92 87  
<http://www.gueunetcharles.com/>

I am a 24 years old Ph.D student working in Scientific Visualization and High Performance Computing.  
I am currently working at LIP6, with Kitware.

## OBJECTIVE

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Learning article redaction, teaching and improve scientific method.

## WORK EXPERIENCE

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PERIOD	<b>May 2015 – Present</b>	
EMPLOYER	<b>LIP6</b>	Paris, France
JOB TITLE	<b>Trainee researcher</b>	
LANGUAGES	<b>C++, VTK, OpenMP, CMake</b>	
SUPERVISORS	<b>Julien Tierny</b> (julien.tierny@lip6.fr) and <b>Pierre Fortin</b> (pierre.fortin@lip6.fr)	
SUBJECT	In <b>scientific visualisation</b> , with <b>high performance computing</b> component: Establish a scalable and efficient algorithm to compute the contour tree.	
GAINS	This internship allows me to grow professionally and personally in the research realm. It gave me experience in C++, parallel programming and let me use ParaView. It was also a good opportunity to acquaint myself with topology algorithms.	

### PUBLICATIONS

**LDAV 2016** : Contour Forests: Fast Multi-threaded Augmented Contour Trees.

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PERIOD	<b>April 2014 – August 2014</b>	
EMPLOYER	<b>NaturaBuy</b>	Pau, France
JOB TITLE	<b>Trainee software developer</b>	
LANGUAGES	<b>NGinX, MySQL, PHP, Javascript, HTML and Bash</b>	
SUBJECT	Assist the development team in various realms. Implement an automatic completion with machine learning abilities.	
GAINS	This internship gave me a better idea of <b>code reliability</b> in the professional world.	

## EDUCATION

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PERIOD	<b>September 2010 — Present</b>	
DEGREE	<b>Engineering diploma in Computer Science (Master degree, 5yrs)</b>	
SCHOOL	<b>EISTI</b>	Pau, France
International School of the Sciences of Data processing, formation about Cloud computing, Software development, Algorithms and Management.		

## SKILLS

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<b>Computer Languages</b>	C, C++ (VTK, OpenMP, MPI), Java, Ruby
<b>Protocols</b>	TCP/IP, HTTP, SOAP, JSON, XML
<b>Databases</b>	SQL, MySQL, MongoDB, NoSQL
<b>Web</b>	REST, Java EE, PHP, Javascript, HTML, CSS
<b>Tools</b>	TDD, Linux, Git, CMake, ParaView, Vim, $\text{\LaTeX}$
<b>Languages</b>	French (native), English (865 at TOEIC)

## INTERESTS

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- Programming, Videos games
- Piano (12years) and Music