

# GUEUNET CHARLES

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I am a 25 years old Ph.D student working in Scientific Visualization and High Performance Computing. Currently at LIP6, this work is founded by Kitware.

## OBJECTIVE

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My goal in short term is to move from discovery to innovation.

## WORK EXPERIENCE

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PERIOD	<b>February 2016 — Present</b>	
EMPLOYER	<b>LIP6</b>	Paris, France
JOB TITLE	<b>Ph.D Student</b>	
LANGUAGES	<b>C++, OpenMP, CMake, VTK, TTK, Paraview</b>	
SUPERVISORS	<b>Julien Tierny</b> (julien.tierny@lip6.fr), <b>Julien Jomier</b> (julien.jomier@kitware.com) and <b>Pierre Fortin</b> (pierre.fortin@lip6.fr)	
SUBJECT	<i>In-situ</i> visualization, these first two years lead me to explore two new approaches to compute the contour tree in parallel.	
GAINS	Learn article redaction and reviewing process.	

## PUBLICATIONS:

**LDAV 2017:** Task-based Augmented Merge Trees with Fibonacci Heaps

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

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PERIOD	<b>May 2015 — February 2016</b>	
EMPLOYER	<b>LIP6</b>	Paris, France
JOB TITLE	<b>Trainee researcher</b>	
LANGUAGES	<b>C++, OpenMP, VTK, CMake</b>	
SUPERVISORS	<b>Julien Tierny</b> (julien.tierny@lip6.fr) and <b>Pierre Fortin</b> (pierre.fortin@lip6.fr)	
SUBJECT	Research in <b>scientific visualisation</b> , these ten months gave me prerequisites for the following Ph.D	
GAINS	Learn Morse theory and basis of Topological analysis.	

## EDUCATION

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PERIOD	<b>2010 — 2015</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 in Cloud computing, Software development, Algorithmic and Management.		

## SKILLS

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<b>Computer Languages</b>	C, C++ (VTK, OpenMP, MPI), Java, Ruby
<b>Tools</b>	GNU/Linux, Git, CMake, Paraview, TTK, Vim, L <sup>A</sup> T <sub>E</sub> X
<b>Languages</b>	French (native), English (865 at TOEIC)

## INTERESTS

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- IT: Programming, Videos games
- Music: Piano (12years)