


# Sebastien Jourdain

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## Libraries

[trame](#) ([vtk](#), [simput](#), [plotly](#), [xterm](#), [code](#), ...)  
[PyVista](#), [VTK](#), [vtk.js](#), [wslink](#)

## Applications

[ParaView](#), [Visualizer](#) ([trame](#), [async](#)), [Divvy](#),  
[Glance](#), [ArcticViewer](#)...

## Collaborations

[Hydroframe](#) ([parflow](#), [sandtank](#), [sandtank-ml](#))  
[CASL](#) ([VeralnView](#), [VeraCore](#), [Peacock](#))

## Employment

### Kitware Inc. (USA)

Feb 2010 - Present

#### Strategic innovator

- Guided the design and development of the next generation of Asynchronous ParaView.
- Spearheaded interactive web solutions for data processing and visualization with VTK/ParaView.
- Created trame, a Python framework for building interactive application with a Web frontend. Trame by its simplicity triple the pool size of developers able to help while allowing us to deliver at half of the cost.

#### Mentor and manager

- Mentored many colleagues within the full company in my area of expertise but also helped a couple to grow and get better at their problem solving skills.

#### Architect and software Engineer

- Designed many web applications leveraging VTK/ParaView for customers from a wide range of domains.
- Created the full VTK/ParaView Web stack that lead to the creation of trame.

### Artenum (Paris, France)

Sep 2004 - Jan 2010

#### Lead software architect

- Created several tools for SPIS (Spacecraft Plasma Interaction Software) including a post-processing application based on VTK and Java.
- Managed LibreSource, a collaborative platform similar to gitlab at the time.

### LORIA/INRIA (Nancy, France)

Sep 2002 - Aug 2004

#### Research engineer - software support

- Implemented research algorithms for data synchronization into a version control system.
- Integrated our version control system into LibreSource, a collaborative platform for software development.

## Education

### University of Lorraine (Nancy, France)

Sep 2001 - Jun 2002

- M.S.E. in Software design and architecture.

### Polytech (Nancy, France)

Sep 1998 - Jun 2002

- M.S.E. in Computer Science and Engineering.
- Valedictorian in-major