

TOLLU Vincent

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Currently employed



Software Engineer

Functional Skills

- Transversal skills in software development (Design, implementation, tests, maintenance).
- Deep knowledge in process and methods in the middle and client tiers.
- Work in a big team (150+ engineer) and a global environment (USA – France – India) on a pretty big codebase (> 20 million codelines).
- Global customers (Korea, Mexico, Norway...)
- Fluent english (written and spoken on a day to day basis since 2003).
- Education as scientific as computer science oriented.

Professional Experiences

Since June 2003 : *Intergraph France, Process, Power & Marine division*

Project

In charge of software developments in two software *SmartPlant 3D* (plant design) and *Intelliship*(Ship building).
These softwares are built by numerous teams located around the globe (US – France – India) among which a score of engineers in Paris.
This distributed development implies a constant communication between the different teams, would it be by mails, phone and video conferences, technical notes.

Job

Development and design of 3D high-level business objects:
Placement methods and DB persistence.
GUI controls.
Graph of topological operations ruling their generation.
Interaction with other existing business objects.
Unit tests and automatic test programs.
Bugfixes.

Technical Context

Windows XP.
Rational Rose fro UML modelisation
ATL/COM and .NET developments (C++, Visual Basic and C#).
SourceControl made with SourceSafe and SourceOffSite.
Word, Excel, Visio and Doxygen are used for code and designs documentations.

Professional Experiences (continued)

From August 2002 to January 2003 :

Final training period spent in **Thomson Multimédia R&D's Content Search and Access** lab.

So as to automatically classify personal pictures, my job consisted in designing a quick and robust process for face detection on still color pictures.

Technical context : C++ developments on WinNT, Visual C++, MFC, Rational Rose.

Publication SPIE VCIP Lugano 2003.

Patent EP20040015455 - Process and device for detecting faces in a colour image.

Keywords: Image processing – statistical decision

From August 2001 to January 2002 :

Training period spent in the **National Geographic Institute's (IGN)** image processing and photogrammetry lab.

My work consisted in setting up a robust 3D reconstruction method based on multiple aerial pictures.

Technical context : C++ developments on Linux RedHat 6.0, Emacs/gcc, CVS.

Publication ISPRS Graz 2002.

Keywords: Image processing – 3D reconstruction - statistics

Technical Software Skills

Languages:	C++ (ATL/COM), C# (.NET, Mono), Visual Basic.
IDE:	Visual Studio 6 and 2005, Rational Rose, #Develop.
DBMS :	SQL Server 2005, Oracle
Virtualization :	VMWare, Virtual PC
Environments :	Windows XP, Unix, Linux.

Education

1997-2003 : Engineering degree (Software engineer) at the Université de Technologie de Compiègne (UTC).

1996-1997 : Intensive preparation for the national competitive entrance exams to leading French engineering schools.

1996 : Advanced degree (French Baccalauréat) obtained with honorable mention.

Foreign languages

English : Fluent (used as a working language since 2003).

French : Mother tongue.

German : Conversational level.

Miscellaneous Skills

Sports : Scuba diving. Diving instructor (CMAS Instructor **) since 1998.
Hiking.

Licences : Drivers license, General Boat Drivers License .

Personal website : yocto.projects.free.fr