

Mr. Emmanuel Tanguy (PhD)

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Date of birth : 9th April 1973

Objective	I am seeking a position that enables me to develop imaginative and innovative software solutions and to provide me with opportunities to develop my career in this field. I am a committed self-starter as well as an active team player with a strong focus on research and development. I have the proven ability as a strategic problem solver and a developer of high quality, creative solutions. I thrive on projects that challenge me from research stage to application of knowledge :
Key skills	Computer : C, C++, Visual Basic, OpenGL. Web design : HTML, ASP, PHP, Javascript, VBscript, XML, XSLT, Schema, SQL Server, Access, MySQL. Software : Microsoft Visual Studio C++ (3+ years). Operating System : Windows, Linux. Language : French-Mother tongue ; English-Fluent.

Career History

- July 2006-Present **Graphics Architect**, STmicroelectronics, Bristol, UK.
Design and development (MVC++) of a 3D graphic pipeline (OpenGL/ES).
- 2005 Oct.-July 2006 **Research Officer**, Department of Computer Science, University of Bath, Bath, UK.
Research on synthetic emotions and facial animation. Development (MVC++) and support of the Emotionally Expressive Facial Animation System (EE-FAS).
- 2002 Oct.-June 2006 **Ph.D. candidate** graduated June 2006, Department of Computer Science, University of Bath, Bath, UK.
Developed, using MVC++ and OpenGL, the Emotionally Expressive Facial Animation System (EE-FAS) which is used in a 3D chat-bot application. EE-FAS provides variability and reactivity in visual speech deliveries.
- 2002 Oct-Present **Part-time Graduate Teaching Assistant**, department of Computer Science, University of Bath, Bath, UK.
Improvement of communication and knowledge transfer skills.
- 2001 Oct-02 July **Clinical Scientist**, Royal Hallamshire Hospital (NHS), Directorate of Medical Physics, Sheffield, UK.
Development of skills regarding the creation of web interfaces for databases, such as a web-questionnaire (ASP, ADO, Vbscript, XML and XSL).

2000 June-Sept	Student work placement , ENSSAT, Lannion, FR. Participation in the development to a multimedia application using Microsoft Visual C++.
1996-1998	Technician , ALCATEL CIT, Lannion, FR. 18 months in Beijing, China, in charge of setting up Alcatel CIT products, switching system E10 OCB283 to meet customer requirements. Development of communication and collaboration skills with customers of a different culture.

Qualifications and Projects Undertaken

2000-2001	MAITRISE (equivalent to computer science degree) , Dep. of Computer Science, Univ. of Sheffield, Sheffield, UK. Equivalent unit grade : High Class 2.1. Individual year project : using MVC++ and OpenGL, implementation of Waters' muscle-based model for facial animations and integration of this model within the 3D engine Fly3D.
1998-2000	DEUG and LICENCE MiME (equivalent to bachelor's computer science degree) , Uni. of Maine, Le Mans, FR. Improvement of skills in microprocessor architectures and computer languages with a strong mathematical background.
1994-1996	D.U.T Génie Électrique et Informatique Industrielle (equivalent to HND Electronics and Industrial computing) , option electronics, IUT of Lannion, Lannion, FR. Gained skills in computer hardware and electronics with a strong mathematical background.
1993-1994	Baccalauréat (General Certificate of Education) option in mathematics and technology, G. Touchard, Le Mans, FR.

Additional Information

Languages	French-Mother tongue ; English-Fluent.
Extra-Activities	1999-2000 : President of the student association Vita-MIME at the University of Maine (FR) ; 2003-2004 : Seminar Organiser at the University of Bath ; 2004-2005 : PhD Representative on the Department Teaching Committee at the University of Bath.
Driver's license	Full clean driver's license.
References	Available upon request