François Guimbretière

French citizen, F1 visa

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EDUCATION

Stanford University, Stanford, California, 9/94 – 1/02
>Ph. D. in Computer Science, expected in 1/02
>>**Dissertation:** Fluid interaction for high resolution wall-size displays
>>**Advisor:** Professor Terry Winograd
>M.S. in Computer Science, 6/97

Ecole Superieure d'Electricité, Gif-sur-Yvette, France, 9/87 - 6/90
>Diploma in Electrical Engineering, major in Artificial Intelligence, 6/90

University of Nantes, Nantes, France, 9/85 - 06/87
>Diploma of Associate of Science, 6/87

RESEARCH INTEREST

Developing new *fluid interaction* interfaces for computers. Fluid interaction interfaces will give access to computational resources during the creative process. They will be the foundations of a successful casual human computer interface for ubiquitous computing appliances.

PUBLICATIONS[1]

François Guimbretière, Maureen Stone and Terry Winograd. Fluid Interaction with High-resolution Wall-size Displays. *Proceedings of UIST 2001,* pp. 21 -30

François Guimbretière and Terry Winograd. FlowMenu: Combining Command, Text and Parameter Entry. *Procceedings of UIST 2000*, pp. 213 -216

Tamara Munzner, François Guimbretière and George Robertson. Constellation: A Visualization Tool For Linguistic Queries from MindNet. *Proceedings of the 1999 IEEE Symposium on Information Visualization*, pp. 132 -135, 154

Terry Winograd and François Guimbretière. Visual Instruments for an Interactive Mural. *Proceedings of CHI 1999, Extended Abstracts*, pp. 234 -235

RESEARCH EXPERIENCE

Doctoral research: Human computer interaction group, Stanford University, 09/97 - present (Research advisor: Terry Winograd).
>**Research experience:** Design and construction of the Stanford Interactive Mural, a 9 Mpixel, 64 dpi rear-projected display. Design, implementation and testing of new interaction techniques for large high-resolution displays. Design, implementation and testing of a new brainstorming tool for the Stanford Interactive Mural. Design of interaction and visualization techniques for the queries of large semantic networks.
>**Supervisory Experience:** Supervised several undergraduate students projects, including building an overhead scanner and running a user study on menu selection performance.

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[1] An electronic version of these papers can be found at http://graphics.stanford.edu/~francois

Research assistant: Program analysis and verification group, Stanford University, 01/95 - 08/97 (Research advisors: John Mitchell and David Luckham).

Research experience: Design and implementation of visualization tools for large partially ordered set of events used to simulate distributed systems behavior.

Supervisory Experience: Supervised several master students for the design and implementation of visualization tools.

Researcher at the SNCF (French railways) research center, Paris, 09/91 - 05/92

Research experience: Automatic timetable generation using constraint programming.

Intern at the CNES (French National Space Agency), Toulouse, 05/90 - 06/90

Research experience: Implementation of a Prolog engine on a Transputer network. Study of the feasibility of blackboard communication protocol between Prolog engines.

TEACHING EXPERIENCE

Teaching assistant, Stanford University Fall 97

Programming Languages taught by John Mitchell. The class introduced the basic element of programming languages and programming paradigm including: formal semantic methods, modern type systems, functional, imperative and object oriented programming. Prepared and led sections, held office hours, helped prepare and grade exams.

Teaching assistant, Stanford University, Spring 96

Compilers taught by David Dill. The class covered the basic principles and techniques of programming language compilers. Prepared and led sections, held office hours, helped prepare and grade exams.

TALKS

Fluid Interaction with High-resolution Wall-size Displays

Mitsubishi Electric Research Laboratories, Cambridge, Massachusetts, 12/01

University of Maryland, College Park, Maryland, 12/01

UIST'01, Orlando, Florida, 11/01

FX Palo Alto Laboratory, Palo Alto, California, 06/01

People Computer and Design seminar, Stanford University, California, 06/01

Stick it on the Wall: A Metaphor for Interaction with Large Displays

CHI'01 workshop on Tools, Conceptual Frameworks, and Empirical Studies for Early Stages of Design, Seattle, Washington, 04/01

FlowMenu: Combining Command, Text and Parameter Entry.

UIST'00, San Diego, California, 10/00

Stanford Interactive Mural.

AT&T labs, Florham Park, New Jersey, 10/99

Visual Instruments for an Interactive Mural

CHI'99, Pittsburgh, Pennsylvania, 04/99.

PROFESSIONAL EXPERIENCE

Intern at Rail Transportation Systems, New York, New York, 06/92 - 09/93

Specification of tools to extract the bill of materials from AutoCAD drawings.

Developer at Betel Ingenierie (now part of CSC Europe), Toulouse, 09/90 - 08/91

Development of UNIX configuration management tools.

REFERENCES

Prof. **Terry Winograd** (Thesis advisor)
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TEACHING REFERENCE

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