

Jordan Augé

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French citizen, 27 years

Research Engineer, PhD

PhD

Since 2004, I am a research engineer and PhD student in France Télécom Research Labs, jointly with ENST (Ecole Nationale Supérieure des Télécommunications)

title Evaluation by emulation, simulation and analytic modelisation of a flow-level traffic engineering proposal

supervisors J. Roberts and D. Kofman

Publications

workshop J. Augé and J. Roberts. Performance of TCP over a Fair Queueing Link, *EuroNGI, Workshop on QoS and Traffic Control, Paris*, December 2005

international J. Augé and J. Roberts. Buffer Sizing for Elastic Traffic, *NGI'06, Valencia, Spain*, April 2006

J. Augé and J. Roberts. A Statistical Bandwidth Sharing Perspective on Buffer Sizing, *ITC'20, Ottawa, Canada*, June 17-21, 2007

in preparation J. Augé, S. Oueslati, J. Roberts, A MBAC Algorithm for Streaming Flows in Cross-Protect

Knowledge and skills

OS **GNU/Linux** and Windows : kernel internals, system and network administration

network routing and quality of service, network architecture and protocols

security reverse engineering, vulnerability analysis, formal logic and certified programming

programming C/C++, ASM (intel, 68k), Java mainly : several contributions to free software

scripting Ruby, PHP, Shell, ...

mathematics probability theory, queueing systems and Markov chains; language and compilation theory; graph theory and operational research; bases in cryptography

Selected personal and scholar projects

gemoss reverse engineer, debugger, emulator and free firmware for a mp3 player

kwartoo OpenGL board game written in C++

OS major simple OpenMosix-like kernel patch
project

plus other minor contributions

Education

- 2001–2004 **Engineer grade**, *Ecole Nationale Supérieure d'Informatique pour l'Industrie et l'Entreprise (ENSIIE)*, Evry, France.
major in Operating Systems and Network Administration, Routing and Quality of service, Software certification and System Security.
- 1998–2001 **Classes Préparatoires aux Grandes Ecoles**, *Lycée Joffre*, Montpellier, France.
major in Mathematics and Physics

Experience

- feb. – jun. 2004 **Research and Development internship**, *France Télécom Research Labs*, Issy-les-Moulineaux, France.
Conception, optimization and evaluation of a prototype operating innovative solution for quality of service in IP networks
- jun. – sep. 2003 **Analysis and Conception internship**, *Sagem*, Malakoff, France.
Realization of Delphi components, secured LDAP authentication, database access management and intuitive GUI for database requests
- jun. – aug. 2002 **Development internship**, *Laboratoire d'Informatique de Paris 6 (LIP6)*, Paris, France.
Development of an advanced publiposting application for the Réseau National des Technologies Logicielles (RNTL)

Languages

- French **Native**
- English **Fluent** : participation in several international conferences, 930/990 at the TOEIC
- Spanish **Moderate level**
- Russian, Japanese **Basic level**

Misc

- leisures music (playing guitar), literature, comics, sport (badminton, football)
- associative life Member of the APRIL association, to promote and defend free software
- misc driving license

Referees

Available upon request