

Jill-Jênn Vie

Born 02/27/1990 in Marseille, France.

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EDUCATION

- Since 2010 **M2 Informatique** (MS in Computer Science)
“Normalien” at the École normale supérieure (ENS) de Cachan (admitted 2nd), France.
- 2008–2010 **L3** (BSc in Computer Science) and **M1 Informatique**
“Auditeur libre” at the École normale supérieure de Lyon, France.
- 2006–2008 **Preparatory classes**, MPSI & MP* (mathematics, physics and engineering science)
Lycée Thiers, Marseille.
- 2006 **Scientific “Baccalauréat”** emphasis on mathematics, high honors (“mention bien”)
Lycée Thiers, Marseille.

PUBLICATIONS

- 2009 **“Un algorithme de composition musicale”**
Quadrature (French mathematics magazine), 72:10–13
Markov chains application to musical composition.

INTERNSHIPS

- Since 2011 **Leakage-Resilient Cryptography**
École normale supérieure, Paris. Michel Abdalla.
In leakage-resilient models, the scheme should remain secure even when the adversary is capable of learning partial information about the secret key or the randomness used in the encryption process.
- 2010 **A Computerized Adaptive Testing System under WIMS**
Research Institute of Mathematics Teaching (IREM), Marseille. Jean-Pierre Boudine & Antoine Bodin.
A CAT system selects the questions asked to the examinee in order to value its level very effectively, by using its answers to the previous questions. WIMS is an exercise generator.
- 2010 **Coupling Time in Markovian Queueing Networks**
National Institute for Research in Computer Science and Control (INRIA), Grenoble. Bruno Gaujal.
Coupling time of certain queueing networks is at most linear in the number of queues and quadratic in their capacities. Study of a new system: networks with “negative customers”.
- 2009 **Around the Penrose Tiling**
Fundamental Computer Science Laboratory (LIF), Marseille. Thomas Fernique.
A Penrose tiling can be obtained as a two-dimensional projection from a subset of a five-dimensional lattice. Study of local rules.
- 2009 Observing and teaching to high school students.
Lycée Frédéric Faÿs, Villeurbanne, France.
ENSeigner Association, ENS de Lyon.
- 2002–2008 Web development & programming of a rental management software.
Chambre syndicale des propriétaires de Marseille (defense of real property rights).
<http://www.unpi13.org>

EXPERIENCE

- Since 2011 President of **Prologin**, the French national computer science contest.
<http://www.prologin.org>
- 2011 Oral examiner in mathematics (“colles”).
Lycée Condorcet (MPSI2), Paris.
- Since 2010 Organizer at Prologin.
Making algorithmic challenges.
- Tutor at **Animath**.
Association training high school students for the International Mathematics Olympiad.
- Participation in various associations of the ENS Cachan.
President of the piano club.
High school students tutoring.
- 2009–2010 Oral examiner in mathematics.
Lycée du Parc (MPSI2) and lycée Sainte-Marie (ECS), Lyon.
- Participation in various associations of the ENS de Lyon.
Head of *la Tartine*, the student newspaper.
President of the Info ENS association (subsidies for laptops).
President of the アニメ club (*anime*, Japanese animated films and TV series).
Responsible for the drawing workshop of the ENplaStik! association.
Treasurer of the ENSeigner association (remedial lessons).
Teacher at the mathematical club of Lyon.
Orchestra, chamber music, APA (<http://www.apprendrepouraider.fr>).
- 2008–2009 Participation in various associations of the ENS de Lyon.
Treasurer of the ENSeigner association, tutoring 3 high school students.
Writing and layout of *la Tartine*.
Remedial lessons at a social center, tutoring 2 secondary school students.
Organizer of the concerts at the InterENS culturelles 2009 (cultural meet).
Drawing workshop.
- 2006–2010 Prologin, as a contestant. Finalist.
- 2008 Sheet music transcribing contest organized by Ichigo’s Sheet Music.
1st prize.
- 2005 **Academic Mathematical Olympiad** (high school contest).
1st *ex æquo*, academy of Aix-Marseille.

ABILITIES

Programming	C, C++, OCaml, Python
Graphics Libraries	PSTricks, PGF/TikZ, SDL, OpenGL
Graphics Editors	GIMP, Inkscape
Web Development	HTML5/CSS3, JavaScript, PHP/MySQL, AJAX
Music Transcription	PMX, MusiX \TeX
Writing	\LaTeX , Beamer, Scribus

LANGUAGES

French	native
English	written and spoken (advanced)
Spanish	written and spoken (intermediate)
Japanese	written and spoken (beginner)
Mandarin	written and spoken (beginner)

ARTWORKS

- Since 2007 Transcribing sheet music from records.
<http://www.jill-jenn.net/score/>
YouTube records under the nickname Xnihpsel.
<http://www.jill-jenn.net/youtube/>
- 2010 **COW NEWS #1**
Fake newspaper. Project of Creative Writing at the ENS de Lyon.
<http://www.jill-jenn.net/works/1.html>
- 2009 **Le Fanzine de Haruhi Suzumiya #1** (layout, spell check)
Fanzine made by the “Brigade SOS Francophone”.
200 copies sold at the conventions Japan Expo and Epitanime.
- 2009 **Japan Expo Travel Journal**
Account of the convention with a pictures collection, participation in a contest.
Won. Prize: a Premium Silver Pass (access during all 4 days and goodies).
<http://www.jill-jenn.net/works/6.html>
- 2003–2008 **Débil’Info**
Fake newspaper.
<http://www.jill-jenn.net/debilinfo/>

INTERESTS

- Algorithms, notably Graph theory.
Formal languages and Order theory (L1, L2).
Evaluation of performances (M1).
Cryptanalysis and Combinatorial analysis (M2).
- Piano, since the age of 4.
Graduate from the Conservatoire national de région de Marseille, degree “Supérieur”.
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| Piano | 2005 | High honors (“mention bien”) |
| Chamber music | 2004 | High honors (“mention bien”) |
| Solfège | 2003 | Honors (“mention assez bien”) |
- World cinema, notably Asian films and animation films (Pixar, Studio Ghibli).
- Traditional French orthography, in opposition to the 1990 orthography reform.
Certification Voltaire (orthography test): 856 / 1000.
- More on <http://fr.wikipedia.org/wiki/Utilisateur:Jill-Jênn>.