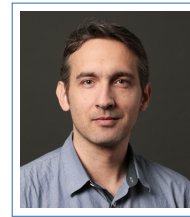# Luc Guyot

Software Engineer

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CH-1206 Geneva
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✉ *luc.guyot@epfl.ch*
🖺 *www.lucguyot.name*
42 years old - Married

Experience

2014 - **Full-stack Software Engineer**, *Human Brain Project (EPFL)*, Geneva, Switzerland.

Design, development and deployment of the Neurorobotics platform, a collaborative web application for neuroscientists and roboticists.

- Full-stack development: Python (Flask), C++, JavaScript (AngularJS)
- Continuous integration with Jenkins and various test frameworks
- Deployment with Puppet, Docker and Ansible

I have been acting as a certified Scrum Master for the last two years, serving an agile team of 12 developers located in 4 different European cities.

2011 **C++ Software Engineer** , *Biorob - Cyberbotics (EPFL-PSE)*, Lausanne, Switzerland.

Research and development for Webots Simulation Software (professional robotics simulator).

- Real-time collision detection and simulation of fluid mechanics (additions to the Open Dynamic Engine)
- Tools for 3D navigation and physics interactions (Ogre3D, Qt)
- Robots modeling and tools for robot control (Blender)

Besides development, documentation and support, I have been involved in marketing and dissemination activities; I took part to robotics conferences and the writing of educational and scientific articles.

2010 **Visitor Researcher**, *Max-Planck Institute of Mathematics*, Germany.

Infinitely presented groups and Nielsen equivalence

2009 **Post-doc Researcher in Mathematics**, *Göttingen University*, Germany.

Limits of Baumslag-Solitar groups, fractal groups

2008 **Post-doc Researcher in Mathematics**, *University of Grenoble*, France.

Solvable groups parametrized by algebraic numbers

Education

2007 **Ph.D of Mathematics**, *University of Geneva*, Switzerland.

Geometric Group Theory, *"The space of groups: isolated points, limits and dimensions"*

2002 **DEA in Mathematics**, *University of Marseille*, France.

2001	**"Agrégation de Mathématiques"**, *University of Marseille*, France.
2000	**Master of Mathematics**, *University of Marseille*, France.

Languages

French	**Native**
English	**Fluent**

Publications

List available on `www.lucguyot.name`

Hobbies

Sport	**Running and swimming**.
Amusement	**Math research and coding puzzles**.