

Grégory Vaumourin

PhD Student on Computer Architecture, Compiler Python enthusiast and Free Software supporter

Education

- 2013-Now** **PhD student** – Commissariat à l'énergie atomique – Saclay (France) Title : ""
- 2008-2013** **Computer engineering** – Institut National des Sciences Appliquées – Rennes (France)
Engineer's degree (master/bachelor equivalent)
- 2012-2013** **Computer Science** – Luleå University of Technology – Luleå (Sweden)
Exchange program during 2 quarters

Publications

- 2014** **Software engineer at MAX-IV Synchrotron** – Lund (Sweden)
- Control system software for particle accelerator:
 - **Python** libraries for many kinds of hardware
 - Control system software, based on **Python** and **Tango**
 - User interfaces (**PyQt** and command line)
 - Software production methods:
 - Iterative and incremental development: **Agile/Scrum**
 - Direct interaction with machine operators and scientists
 - Unit testing (**nose**, **pytest**) and development of **test utilities**
 - Automated packaging and deployment with **Jenkins**, **Docker** and **Ansible**
 - Focus on GNU/Linux based distributions: **CentOS**, **Debian**
 - Open-source **Tango** community:
 - Bug reports and forum support for new comers
 - Maintaining of the **PyTango** library (~ 3000 downloads/month)
 - Publishing of **generic tools** for the community

Other Experience

Asynchronous programming and asyncio

- **Pull request** to add **run_coroutine_threadsafe**, merged in **asyncio** and **cpython**
- Asyncio-based library for asynchronous console and interfaces: **apython**

Competitive programming and mathematics

- About 140 problems solved on **ProjectEuler.net**
 - Attended 2 **Google Code Jams**
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