

Software engineer, Python enthusiast and Free Software supporter

Education

- 2008 - 2012 Computer engineering – Institut National des Sciences Appliquées – Rennes (France)
Engineer's degree (master/bachelor equivalent)
- 2012 - 2013 Computer Science – Rochester Institute of Technology – NY (USA)
Exchange program during 2 quarters

Professional Experience

- 2014 - 2017 Software engineer at MAX-IV Synchrotron – Lund (Sweden)
- 2017 - present Software engineer at European Synchrotron Radiation Facility – Grenoble (France)
- Control system software for particle accelerators:
 - 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 Conda, 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 (~ 300 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
- Maintaining two asyncio-based libraries: [aioconsole](#) and [aiostream](#)

Competitive programming and mathematics

- About 150 problems solved on [ProjectEuler.net](#)
- Attended 3 [Google Code Jams](#)