Full-Stack Python Developer

Nicolas Barbey

## Experience

Since 2015

**Developer**, [*POM-Monitoring*](http://www.pom-monitoring.com), monitoring software, tests and build automation, SCRUM master.

2013-2015

**C/Linux Developer**, [*Intersec*](https://www.intersec.com/), software in C for mobile operators, Python tests.

2012-2013

**Image processing engineer**, [*Solystic*](http://solystic.com), algorithmics, object recognition, machine learning.

2011-2012

**Embedded image processing engineer**, [*DxO*](http://dxo.com).

2008-2011

**Postdoc: Space data processing**, [*CEA/SAp*](http://irfu.cea.fr/Sap/en/index.php).

2005-2008

**PhD: Solar tomography**, [*IAS*](http://www.ias.fr/)*/*[*L2S*](http://www.l2s.centralesupelec.fr/).

## Skills

Languages

Python, C, Javascript, Haskell, PHP, bash.

System

Linux (Archlinux, Debian, Redhat), packaging.

Tools

Databases (PostgreSQL, SQLite), debugging (gcc/gdb, valgrind, strace, wireshark, sysdig).

Methods

OOP, functional programming, message passing, asynchron programming, REST.

## Education

2006

**Engineer**, *Institut d'Optique Graduate School*, previously *Supoptique*.

**Master 2 optique et photonique**, *Institut d'Optique Graduate School*.

2003

**Licence de physique fondamentale**, *Université Paris-Sud XI*.

2002

**Classes préparatoires**, *Louis-le-Grand*.

## Languages

French

Native.

English

Fluent.

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