

BARRIAT Pierre-Yves

Rue Saint Georges 15, B-1370 Saint-Jean-Geest - BELGIUM
+32 479 881 843 ; pybarriat@online.fr
<http://be.linkedin.com/in/pybarriat>



RESEARCH ENGINEER

Research engineer in numerical modeling, software development and systems management. Responsible for managing numerical modeling tools in the field of climate research (Georges Lemaître Centre for Earth and Climate Research). Management & development of IT infrastructures and IT services as system administrator. Additionally, consulting roles and other duties including writing summaries of structural tests and preparing process manuals and guidelines for students and scientists.

EDUCATION

Master en sciences de gestion (2005 - 2006) – Master's Degree in Management
Louvain School of Management (Louvain-la-Neuve, Belgium)

- Accounting, Strategic, Marketing, Finance, Human resource

Ingénieur Civil en mathématiques appliquées (2000 - 2005) – Master's Degree in Engineering
Louvain School of Engineering (Louvain-la-Neuve, Belgium)

- Optimization and Operations research, Numerical methods, Automatic and Dynamic systems
- Data Structures and Algorithms, Programming languages, Software Engineering, Operating systems and computer networks

Baccalauréat Scientifique (1994 - 2000) – High School Diploma
Lycée Ste Marthe – St Front (Bergerac, France)

WORK EXPERIENCE

Research Engineer in Climatology (since 2007) – *Université catholique de Louvain (Belgium)*

- Development and management of numerical modeling tools on Linux Clusters in Georges Lemaître Centre for Earth and Climate Research (Global Climate Models, Ocean and Sea Ice Models)
- System administrator - Linux servers (Webmaster, Technical Support)

Freelance IT consultant (2015 - 2016) – *ELIA (Brussels, Belgium)*

- Finite element analyses of the structural behaviour of pylons.
- Modification of existing programs used to calculate characteristics of pylons.

IT Consultant (2006 - 2007) – *Callataÿ and Wouters (Brussels, Belgium)*

- Perform functional and technical analysis in banking and finance
- Development and implementation of banking solutions (Java/J2EE)

Web Developer (July 2003) – *Crédit Lyonnais Luxembourg S.A. (Luxembourg)*

- Responsible for a new intranet project, including content management, web application development, api and back-end middleware integration

TECHNICAL SKILLS

- Certification ITIL V3 Foundation
- UNIX/Linux System Administrator
- Software developer : Java/J2EE, C/C++, Fortran, Bash scripting
- Webmaster : Apache, PHP, MySQL, HTML5
- Parallel programming (MPI) and cluster management (PBS, SLURM)

LANGUAGES

French : mother tongue
English : working knowledge
Spanish : basic knowledge

INTERESTS

Skiing, scuba diving, running, badminton, squash, video games, traveling, tourism

MISCELLANEOUS

Birth date : September 18th, 1982
Citizenship : Belgian and French
B Driving License

REFEREES

- Kurt Van Dam : Kurt.VanDam@elia-engineering.com working at <http://www.elia.be>
- Claire Gilly : Claire.Gilly@elia-engineering.com working at <http://www.elia.be>
- Hugues Goose : <http://www.climate.be/u/goosse> working at <http://www.uclouvain.be/en-teclim>
- Thierry Fichet : <http://www.climate.be/u/fichet> working at <http://www.uclouvain.be/en-teclim>
- Yves Houbeau : <http://be.linkedin.com/in/yveshoubeau> working at <http://www.soprabanking.com>