

VINCENT BLONDEAU

PhD In Software Quality

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WHO I AM

Ph.D. in computer science, I am looking for a job in innovation and software quality.

EXPERIENCE

Industrial Postdoc

Lam Research Corporation

📅 Jan. 2018 – Dec. 2018 📍 Fremont, California, USA

- Industrial Postdoc.:
Improvement of usability of the software
- Develop tool to create executables from Pharo applications
- Implement a MQTT backend
- Design a Sequence Diagram Generator

Ph.D. Student / Engineer design and development

Inria / Worldline

📅 Oct. 2014 – Sep. 2017 📍 Seclin, France

- Industrial Ph.D.:
Test Selection Habits of Developers in a Large IT Company
- Develop plugins in Java to automatically select tests after a change in the source code
- Implement Pharo Server Backend for test selection
- Extend Moose static model

Qualitative Analysis of a System (Internship)

Worldline

📅 Mar. 2014 – Aug. 2014 📍 Seclin, France

- Integrated in a transversal team of the company
- Explore tracks to improve the maintenance and the software quality in collaboration with the Inria RMod team
- Develop tools to validate software architecture thanks to Moose (based on Pharo)

A REST API for Moose (Internship)

Synectique

📅 May 2013 – Aug. 2013 📍 Villeneuve d'Ascq, France

- Synectique is a startup originated of Inria specialized in maintenance and source code analysis
- Develop a REST server to access a source code analysis model generated in the Moose environment
- Create a web client with Amber (a Smalltalk for the web) showing the features of the server

Experiments on the Android Kernel (Internship)

Laboratoire d'Informatique Fondamentale, Inria

📅 Jul. 2012 📍 Lille, France

- Study of multi-core scheduling algorithm

SKILLS

Pharo Visual Works Smalltalk
Java C Javascript HTML CSS
SQL R

Git TDD Continuous integration
Jenkins Pair programming Travis
UML

LaTeX Office Pack Adobe Photoshop
Adobe After Effects Cinema 4D

LANGUAGES

French Mother tongue

English Fluent

German Reasonable command (7 years)

EDUCATION

Ph.D. in Computer Science

Université de Lille, France

📅 Oct. 2014 – Oct. 2017

Diplôme d'Ingénieur in Software Engineering and Statistic

Polytech Lille, France

📅 Sep. 2009 – Sep. 2014

Baccalauréat Scientifique (High School Diploma) with Honors

Lycée François d'Assise, Montigny-le-Bretonneux, France

📅 Sep. 2006 – Sep. 2009

HOBBIES

Sports Swimming, Biking

Videography/Photography Former member of the Studio, Polytech Lille's Photo/Video club

PUBLICATIONS

Ph.D. Thesis

- Blondeau, Vincent (2017). "Test Selection Practices in a Large IT Company". PhD thesis. INRIA. URL: <http://rmod.inria.fr/archives/phd/PhD-2017-Blondeau.pdf>.

Journal Articles

- Blondeau, Vincent, Anne Etien, Nicolas Anquetil, Sylvain Cresson, Pascal Croisy, and Stéphane Ducasse (2016b). "Test Case Selection in Industry: An Analysis of Issues Related to Static Approaches". In: *Software Quality Journal*, pp. 1–35. ISSN: 1573-1367. DOI: 10.1007/s11219-016-9328-4. URL: <https://hal.inria.fr/hal-01344842>.

Conference Proceedings

- Blondeau, Vincent, Anne Etien, Nicolas Anquetil, Sylvain Cresson, Pascal Croisy, and Stéphane Ducasse (2017). "What are the Testing Habits of Developers? A Case Study in a Large IT Company". In: *Proceedings of the 21st IEEE International Conference on Software Maintenance and Evolution (ICSME'17)*, To appear. Shanghai, China. URL: <https://hal.inria.fr/hal-01571655>.
- Blondeau, Vincent, Nicolas Anquetil, Stéphane Ducasse, Sylvain Cresson, and Pascal Croisy (2016a). "Test Selection with Moose In Industry: Impact of Granularity". In: *International Workshop on Smalltalk Technologies IWST'16*. Prague, Czech Republic. URL: <https://hal.inria.fr/hal-01352468>.
- – (2015a). "Software metrics to predict the health of a project?" In: *IWST'15*. Brescia, Italy. DOI: 10.1145/2811237.2811294. URL: <https://hal.inria.fr/hal-01185079>.
- Blondeau, Vincent, Sylvain Cresson, Pascal Croisy, Anne Etien, Nicolas Anquetil, and Stéphane Ducasse (2015b). "Dynamic and Static Approaches Comparison for Test Suite Reduction in Industry". In: *BENEVOL'15: 14th BELgian-NEtherlands software eVOLution seminar*. Lille, France. URL: <https://hal.inria.fr/hal-01317498>.
- – (2015c). "Predicting the Health of a Project? An Assessment in a Major IT Company". In: *SATToSE'15*. Mons, Belgium. URL: <https://hal.inria.fr/hal-01205468>.

TEACHING

Databases: Modelisation & SQL - Master 1

Polytech Lille

 2017

 Villeneuve d'Ascq, France

Databases: Modelisation & SQL - Master 1

Polytech Lille

 2016

 Villeneuve d'Ascq, France

RESEARCH REVIEWS

ICPC 2017 – External reviewer

25th IEEE International Conference on Program Comprehension

ICSOFT-PT 2015 – External reviewer

10th International Conference on Software Paradigm Trends

REFEREES

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