

# Gabriel Radanne-Krawice

## Curriculum vitae

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### Identity

Last Name: Radanne  
Usage Name: Radanne-Krawice

First Name: Gabriel  
Birth date: 27 Avril 1990

### Professional activities and internships

- Summer 2012 **Compilation Schema for Links**, *Internship under the direction of Sam LINDLEY, James CHENEY and Philip WADLER*, Edinburgh University, Edinburgh, UK.  
<http://links-lang.org/>
- Summer 2013 **The Eliom Language**, *Internship under the direction of Vincent BALAT*, IRILL (<https://www.irill.org/>), Paris, France.
- Winter 2013 **Type theory in sequent calculus**, *Internship under the direction of Jean Philippe BERNARDY*, Chalmers, Goteborg, Sweden.
- Summer 2014 **Synthesis of ranking functions using extremal counterexamples**, *Internship under the direction of David MONNIAUX and Laure GONNORD*, Verimag (UMR 5104, <http://www-verimag.imag.fr/>), Grenoble, France.
- October 2014 - September 2017 **Tierless Web Programming in ML**, *PhD student and Teaching Assistant*, Université Paris 7, Paris, France.
- Summer 2015 **Functoria**, *Internship under the direction of Thomas Gazagnaire*, OCaml Labs (<http://ocaml-labs.io/>), Cambridge, UK.
- October 2017 - Today **Linear types for ML**, *Postdoc and Teaching assistant*, Freiburg Universität, Freiburg Im Brisgau, Germany.

### Academic and Teaching activities

#### • Reviewing activities

Secondary reviewer: ProWeb 2018, APLAS 2018, ECOOP 2018  
Invited reviewer: ML 2017 post-proceedings  
Artifact Evaluation Committee: OOPSLA 2018, OOPSLA 2019

#### • Organization

I have been student volunteer for the following conferences: ESOP 2014; ICFP 2014, 2015 and POPL 2016.

#### • Teaching

During my PHD, I was a teaching assistant at University Paris Diderot for the following courses:  
PF5 **Functional Programming**, *3rd year students*, with Michele Pagani.

- ADS4 **Lexing, Parsing and AST manipulation**, *2nd year students*, with Ralf Treinen.  
CI2 **Computer Science Concepts**, *1st year students*, with Jean-Baptiste Yunès.  
PI4 **Programming Project**, *2nd year students*, with Inès Klimann.  
IP-CPEI **Introduction to Programming in C**, *3rd year students*, with Vincent Padovani.  
EIDD-C **Introduction to Programming in C**, *1st year students*, with Roberto Amadio.

During my Postdoc, I was teaching assistant at Freiburg Universität with Peter Thiemann for the following courses and seminars:

- Winter 2017/2018 **Functional Programming**, *3rd and 4th years students*.  
**Seminar: Theoretische Informatik**, *Article studies for Bachelor students*.  
Summer 2018 **Essentials of Programming Languages (Introduction to programming language theory)**, *3rd and 4th years students*.  
Winter 2017/2018 **Energy Informatics (Introduction to programming and data-analytics with Python)**, *Students from the Master "Renewable Energy"*.  
**Seminar: Types**, *Article studies for 3rd and 4th years students*.

I also was one of the animator for "Fête de la Science" (vulgarization for the general public, notably kids) organized by Yann Régis-Gianas at Université Paris Diderot in 2016.

## Main publications

Unless indicated, authors are ordered by implication in the production of the article. The underlined author presented the work.

- PLDI 2015 **Synthesis of ranking functions using extremal counterexamples**, *Laure Gonnord, David Monniaux, Gabriel Radanne*.  
<https://pldi15.sigplan.org/track/pldi2015-papers#program>  
Selection rate: 19%.  
The authors are listed in alphabetical order.
- APLAS 2016 **Eliom: A Core ML Language for Tierless Web Programming**, *Gabriel Radanne, Jérôme Vouillon, Vincent Balat*, Publication ci-jointe.  
<https://soict.hust.edu.vn/~aplas2016/>  
Selection rate: 37%.  
Also presented at the national workshop AFADL in the context of GDR-GPL (<http://afadl2017.imag.fr/>).
- IFL 2016 **Eliom: Tierless Web programming from the ground up**, *Gabriel Radanne, Vasilis Papavasileiou, Jérôme Vouillon, Vincent Balat*.  
<https://dtai.cs.kuleuven.be/events/ifl2016/>  
Post-proceedings: <https://dl.acm.org/citation.cfm?doid=3064899>  
Selection rate: 45% – **Prix Peter Landin 2016**.
- GPCE 2018 **Regenerate: A Language Generator for Extended Regular Expressions**, *Gabriel Radanne, Peter Thiemann*.  
<https://conf.researchr.org/track/gpce-2018/gpce-2018>  
Selection rate: 37%.

## Further Information

- Complete CV <https://gabriel.radanne.net/cv.pdf>  
Research Statement [https://gabriel.radanne.net/research\\_statement.pdf](https://gabriel.radanne.net/research_statement.pdf)

Teaching [https://gabriel.radanne.net/teaching\\_statement.pdf](https://gabriel.radanne.net/teaching_statement.pdf)  
Statement (in  
French)