

Gabriel Radanne-Krawice

Curriculum vitae

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Identity

Last Name:	Radanne	First Name:	Gabriel
Usage Name:	Radanne-Krawice	Birth date:	27 Avril 1990
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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://ocamlabs.io/>), Cambridge, UK.

October 2017 - September 2019 **Linear types for ML**, *Postdoc in the proglang division* (<https://proglang.informatik.uni-freiburg.de/>) and *Teaching assistant*, Freiburg Universität, Freiburg Im Brisgau, Germany.

October 2019 - Today **The future of the OCaml type system**, *Research Starting Position in Cambium* (<http://gallium.inria.fr/>), Inria Paris, France.

Academic and Teaching activities

• Reviewing activities

External Reviewer: ProWeb 2018 (3 articles), APLAS 2018 (2 articles), ECOOP 2018 (3 articles), ML 2017 (journal, 1 article), Forte 2019 (1 article), POPL 2020 (2 articles), FOSSACS 2020 (1 article).
Artifact Evaluation Committee: OOPSLA 2018 (5 articles/artifacts), OOPSLA 2019 (5 articles/artifacts, **Distinguished Reviewer Award**), POPL 2020 (2 articles/artifacts).

• PhD thesis jury

- *Multi-tiers Functional Reactive Programming for the Web*

Bob Reynders sous la supervision de F. Piessens et D. Devriese. KU Leuven, Belgique.

- Teaching

From 2014 to 2017, I took part in bachelor teaching at université Paris Diderot.

Description	Niveau	Heures	Groupes (moi/total)
EIDD-C - Introduction à la programmation en C	L1	36h	1/1
CI2 - Concepts Informatiques	L1	24h	1/5
ADS4 - Lexing, Parsing et manipulation d'AST	L2	36h	1/5
PF5 - Programmation fonctionnelle (OCaml)	L3	36h	1/5
IP-CPEI - Introduction à la programmation en C	L3	36h	1/1
PI4 - Projet de programmation	L2	12h	2/4

From 2017 to 2019, I took part in the teaching delivered by “proglang” chair at Freiburg University, with Professor Peter Thiemann.

Description	Niveau	Heures	Effectif
Programmation fonctionnelle (Haskell)	L3/M1	2 * 18h	20
Séminaire: Informatique Théorique	L2/L3	–	5
“Grundlagen von Programmiersprachen”	L3/M1	18h	15
“Energy Informatik”	M1	30h	25
Séminaire: Types	L3/M1	–	5

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

Publications principales

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
- Teaching Statement (in French) https://gabriel.radanne.net/teaching_statement.pdf