

Curriculum Vitæ

Guillaume AMBAL

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Languages : fluent in French and English.

Scholarship and Employment

- 2022-2024** Postdoc (Research Assitant) at Imperial College (London, UK) under the supervision of [Azalea Raad](#).
- 2019-2022** PhD position at Université de Rennes (Rennes, France) under the supervision of [Alan Schmitt](#) and [Sergueï Lenglet](#).
Title : *Skeletal Semantics Transformations*,
Thesis defended on October 19th, 2022.
- 2015-2019** Scholarship at ENS de Lyon, including internships at :
- LaBRI (Talence, France);
- University of Bologna (Bologna, Italy);
- LIP (Lyon, France);
- Delft University (Delft, Netherlands);
- Loria (Nancy, France).
Diplomas : Licence and Master's degree in computer science.

Teachings

- 2020-2022** Practical work supervisor :
algorithmic complexity (Java) for 1st year of Licence (twice)
software engineering (Scala) for 2nd year of Licence

Publications

Skeletal Semantics Transformations,
PhD Thesis, 2022

Certified Derivation of Small-Step From Big-Step Skeletal Semantics,
Guillaume Ambal, Sergueï Lenglet, Alan Schmitt, Camille Noûs,
Principles and Practice of Declarative Programming (PPDP), 2022

Certified Abstract Machines for Skeletal Semantics,
Guillaume Ambal, Sergueï Lenglet, Alan Schmitt,
Certified Programs and Proofs (CPP), 2022

HOpi in Coq,
Guillaume Ambal, Sergueï Lenglet, Alan Schmitt,
Journal of Automated Reasoning (JAR), 2021