

Aghilas Y. Boussaa

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EDUCATION

- **MSc Computer Science, École normale supérieure** 45 rue d'Ulm, 75005 Paris
2025–
- **BSc Computer Science, École normale supérieure** 45 rue d'Ulm, 75005 Paris
GPA: 18.95/20 2024–2025
 - **Some of the courses followed:** Compilation, Lambda calculus and Categories, Operating systems, Lambda calculus and Logic, Semantics and applications to verification

EXPERIENCE

- **Research internship** University of Edinburgh
Implementation of modal effect types under the supervision of Sam Lindley March–August 2026
- **Research internship (alongside courses)** ENS Paris
Study of the writer concurrent pseudomonad under the supervision of Hugo Paquet Autumn 2025
- **Research internship** Inria Sophia-Antipolis
Implementation of a Wasm toolchain under the supervision of Manuel Serrano Summer 2025
- **Research internship (alongside courses)** IRIF
Formalisation of Ellixir's module system under the supervision of Giuseppe Castagna Spring 2025
- **Examiner in computer science** Lycée Louis-le-Grand
2024–

PUBLICATIONS

- *Bidirectional Typing with Freezing, Skeletons, and Ghosts*
Wenhao Tang, Shengyi Jiang, Aghilas Y. Boussaa, Sam Lindley, Bruno C. d. S. Oliveira
Conditionally accepted at **Principles of Programming Languages (POPL)**, 2027

TALKS

- **Practical Programming with Modal Effect Types** ML Family Workshop 2026
28 August 2026
- **Higher-order fork, modaly** HOPE Workshop 2026
24 August 2026

SKILLS

- **Programming languages:** Sorted by decreasing order of fluency: Ocaml, C, Scheme, Rocq, Python, Shell, SQL
- **Languages:** French (mother tongue), English (fluent)