Yee-Jian Tan

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EDUCATION

Institut Polytechnique de Paris (École Polytechnique) — Paris, France
Masters in Computer Science Research (Master Parisien de Recherche en Informatique) — *Sep 2023 - Aug 2025*
- *Specialisation: Logic, Type Theory (M1: 3.84/4)*

National University of Singapore — Singapore
Bachelors of Computing with Honours (Computer Science), Distinction (4.48/5) — *Aug 2018 - May 2023*
- *Specialisation: Algorithms and Computation*

Bachelors of Science (Mathematics), Highest Distinction (4.50/5)
- *Specialisation: Abstract Algebra, Logic*

EXPERIENCE

Research Intern, M1 Internship — May 2024 - Aug 2024
Cambium, Inria Paris — *Paris, France*

Topic: Towards Formalising the Guard Checker of Coq. Advised by Yannick Forster.

Research Intern — May 2022 - Aug 2022
Gallinette, Inria Nantes — *Nantes, France*

Topic: Formalising Coq Modules in the MetaCoq project. Advised by Nicolas Tabareau.

PUBLICATIONS

A stepper for a JavaScript Sublanguage (https://doi.org/10.1145/3371076) — SPLASH-E 2021
Jww. Martin Henz, Thomas Tan, Zachary Chua, Peter Jung, Xinyi Zhang, Jingjing Zhao

AWARDS

Honourable Mention ("Mention de Félicitations"), *École Polytechnique* — 2024
Senior Honour Roll, *NUS University Scholars Programme* — 2022 - 2023
Honour Roll, *NUS University Scholars Programme* — 2020 - 2021
Honour List of Student Tutors, *NUS School of Computing* — 2019 - 2020

SCHOLARSHIPS AND GRANTS

Masters Mobility Programme, *French Embassy to Malaysia* — 2023 - 2025
2-year Master's grant covering tuition fees and living expenses in France.

Dr. Goh Keng Swee Scholarship, *Association of Banks in Singapore* — 2018 - 2023
Full scholarship for undergraduates selected from 15 Asia-Pacific economies.

TEACHING EXPERIENCE

Programming Methodology I, *Teaching Assistant, NUS School of Computing* — Fall 2019, 2020, 2021
Programming Methodology I, *Teaching Assistant, NUS School of Computing* — Summer 2021
  Led tutorial/lab sessions for students of the Faculty of Engineering.
Programming Methodology I (S), *Teaching Assistant, NUS School of Computing* — Fall 2019
  Based on SICP. Led tutorial/lab sessions for Computer Science students.

THESES

Towards Formalizing the Guard Checker of Coq, *Masters Year 1 Thesis* — 2024
Advisors: Yannick Forster.
Honourable Mention ("Mention de Félicitations") by École Polytechnique on L3/M1 Theses
Presented at Coq Workshop 2024.

Formalizing Coq Modules in the MetaCoq Project, *Bachelor's Thesis* — 2023
Advisors: Nicolas Tabareau, Martin Henz, Yue Yang. Grade: A