Yee-Jian Tan

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EDUCATION

École Polytechnique — Paris, France
Master of Theoretical Computer Science (Master Parisien de Recherche en Informatique) — *Aug 2023 - Mar 2025*

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

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

EXPERIENCE

Research Intern, M1 Internship — May 2024 - Aug 2024
Cambium, Inria — *Paris, France*
- Advisor: Yannick Forster
- Formalized Coq's module system in the MetaCoq project

Research Intern — May 2022 - Aug 2022
Gallinette, Inria — *Nantes, France*
- Advisor: Nicolas Tabareau
- Formalized Coq's module system in the MetaCoq project

Intern, Machine Learning Engineer — May 2020 - Sep 2020
Gojek Singapore — *Singapore*
- Jointly designed and packaged a Google BigQuery to Apache Kafka data ingestion tool
- Increased data ingestion rate from ~10k to > 3000k rows/second using Google Cloud Dataflow

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

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 - 2024
1-year 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 2022
Programming Methodology I, *Teaching Assistant, NUS School of Computing* — Summer 2021
Programming Methodology I, *Teaching Assistant, NUS School of Computing* — Fall 2020
Programming Methodology I, *Teaching Assistant, NUS School of Computing* — Fall 2019
Programming Methodology I (S), *Teaching Assistant, NUS School of Computing* — Fall 2019

THESES

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