

# Yee-Jian Tan

+33 7 52 04 32 55 | [tanyeejian@gmail.com](mailto:tanyeejian@gmail.com) | [yeejian.dev](http://yeejian.dev)

## EDUCATION

<b>École Polytechnique</b>	Paris, France
<i>Master of Theoretical Computer Science (Master Parisien de Recherche en Informatique)</i>	Aug 2023 - Mar 2025
<b>National University of Singapore</b>	Singapore
<i>Bachelors of Computing with Honours (Computer Science), Distinction (4.48/5)</i>	Aug 2018 - May 2023
• Specialization: Algorithms and Computation	
<i>Bachelors of Science (Mathematics), Highest Distinction (4.50/5)</i>	
• Specialization: Abstract Algebra, Logic	

## EXPERIENCE

<b>Research Intern</b>	May 2022 - Aug 2022
<i>Gallinette, Inria</i>	Nantes, France
• Advisor: Nicolas Tabareau	
• Formalized Coq's module system in the MetaCoq project	
<b>Intern, Machine Learning Engineer</b>	May 2020 - Sep 2020
<i>Gojek Singapore</i>	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	
<b>Software Engineering Intern</b>	May 2019 - Aug 2019
<i>Computing for Voluntary Welfare Organisations (CVWO), NUS</i>	Singapore
• Streamlined and digitized volunteering workflow for more than 100 students every year by developing and maintaining a Volunteer Management System for the GIC Sparks and Smiles program.	
• For more than 6000 clients and 100 staff, reduced operating costs and increased the accuracy of data capture by maintaining a Case Management System for the Counseling and Co-parenting Centers by CareCorner.	

## PUBLICATIONS

<b>A stepper for a JavaScript Sublanguage</b>	SPLASH-E 2021
<i>Joint work with Martin Henz, Thomas Tan, Zachary Chua, Peter Jung, Xinyi Zhang, Jingjing Zhao</i>	

## AWARDS

<b>Senior Honour Roll, NUS University Scholars Programme</b>	2022 - 2023
<b>Honour Roll, NUS University Scholars Programme</b>	2020 - 2021
<b>Honour List of Student Tutors, NUS School of Computing</b>	2019 - 2020

## SCHOLARSHIPS AND GRANTS

<b>Masters Mobility Programme, French Embassy to Malaysia</b>	2023 - 2024
1-year grant covering tuition fees and living expenses in France.	
<b>Dr. Goh Keng Swee Scholarship, Association of Banks in Singapore</b>	2018 - 2023
Full scholarship for undergraduates selected from 15 Asia-Pacific economies.	

## TEACHING EXPERIENCE

<b>Programming Methodology I, Teaching Assistant, NUS School of Computing</b>	Fall 2022
<b>Programming Methodology I, Teaching Assistant, NUS School of Computing</b>	Summer 2021
<b>Programming Methodology I, Teaching Assistant, NUS School of Computing</b>	Fall 2020
<b>Programming Methodology I, Teaching Assistant, NUS School of Computing</b>	Fall 2019
<b>Programming Methodology I (S), Teaching Assistant, NUS School of Computing</b>	Fall 2019