

Yee-Jian Tan

+33 7 52 04 32 55 | tanyeejian@gmail.com | yeejian.dev

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)

EXPERIENCE

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

Software Engineering Intern

May 2019 - Aug 2019

Computing for Voluntary Welfare Organisations (CVWO), NUS

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

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib