

Franz Louis T. Cesista

SWE & MLE at Expedock | BS Math at AdMU | 2x IOI and ICPC World Finalist

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Work Experience

2021 Jul-Present	Full-stack Software Engineer and Machine Learning Engineer at Expedock <ul style="list-style-type: none">- Optimized processes on automated information-extraction from unstructured documents (PDFs, images, etc.), data cleaning, and data warehousing- Refactored the company's core TMS module fetching, reconciliation, and export logic- Helped build user-behavior monitoring tools- Optimized our main page's Task Search- Helped our sales team by scraping our documents to find potential leads- Currently helping our partner companies make their data more useful with data analytics
2020 Mar-May	Intern at Exora - PH <ul style="list-style-type: none">- Built machine learning models for energy demand-&-supply forecasting in PH
2019	Mentor at Web and Mobile Developers PH's coding bootcamps <ul style="list-style-type: none">- Introduction to Neural Networks (March 30-31)- Introduction to Data Science (August 24-25 & 31)
2018 - 2020	Research Consultant Freelancer <ul style="list-style-type: none">- Helped undergraduate and graduate students with their research projects

Education

2018 - Now	Ateneo de Manila University, <i>BS Mathematics</i> <ul style="list-style-type: none">- Co-Founder and Former CTO of Developer Student Clubs - Loyola- Team 1 member of the Programming Varsity
2012 - 2018	Philippine Science High School - Eastern Visayas Campus <ul style="list-style-type: none">- Graduated with High Honors and <i>Proficiency Award in Computer Sciences</i>- Co-founder and lecturer at our school's Programming Varsity, 2016-2018- Two of my students qualified for the National Olympiad in Informatics 2018

Awards and Honors

Competitive Programming

2021 - 2022	World Finals Participant (2x) Intercollegiate Programming Competition - Russia & Bangladesh (upcoming)
2018 - 2019	Participant (2x) International Olympiad in Informatics - Iran & Japan
2016 - 2018	1 Silver & 2 Bronze Medals National Olympiad in Informatics - Singapore (Invitational)
2018 - 2020	Regional Finalist (2x) & Best Local Team & Bronze Medal International Collegiate Programming Contest - Singapore & Kuala Lumpur & Manila & Jakarta

2019	1st Runner Up Samsung Algorithm Challenge & Special Data Structures Challenge
Hackathons	
2020	6th Place in Asia <i>Code to Japan, Artificial Intelligence Challenge</i> - Solved an algorithm challenge and built a Wikipedia search engine from scratch
2020	Top Philippine Team, Top 11 in the ASEAN Region <i>Shopee Codeleague</i> - Competed with more than 20,000 participants on data science, data analytics, and algorithmic challenges - Notable tasks: Unsupervised machine translation & fine-tuning pretrained large multilingual language models such as XLM-Roberta.
2019 - 2020	Champion & 1st Runner Up <i>SYKES Data Science Hackathon</i> - Trained machine learning models to predict employee churn and conversion rates of coupon programs on Sykes' datasets
2019	Champion <i>AngelHacks Hackathon</i> - Built an app that transcribes Baybayin scripts (native to the Philippines) to alphabetic text. [Source: github.com/johnpaulada/baybayin]
2018	Champion <i>Hack4PH - Digitizing Public Information Category</i> - Built OpenAPI, an API for querying publicly available government data

Side Projects

<u>AdMU Progvar Notebook</u>	[Lead Maintainer] Ateneo programming varsity's code library. Used by everyone in the organization as reference material for coding competitions.
<u>AI for Sea</u>	Geotemporal booking demand prediction for Grab's AI for SEA Challenge.
<u>AMSearch</u>	[Lead Developer] A search site for the past Long Tests and Final Exams collected by the Ateneo Math Society's Academic Enrichment Team. Built with Google Cloud Platform Tools and APIs.
<u>Codeball AI</u>	A rule-based AI built to beat other AIs in a Rocket-League-esque 3D soccer game. It managed to get to the finals of the Russian AI Cup 2018.
<u>Codewars AI</u>	A particle swarm-based AI built to beat other AIs in a Command-and-Conquer-esque game. It managed to get to the finals of the Russian AI Cup 2017.
<u>Fact Police</u>	An endpoint for a Messenger bot that can detect computer-generated (fake) text.
<u>Lingapp</u>	[Lead Developer] An app for the early detection of common women's diseases such as cervical cancer and heart disease.