Mark Kevin Ong Yiu

www.ongyiumark.com

EXPERIENCE

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY | Mathematical Informatics
Research Intern
Jan 2024 - Jan 2024 | Japan
- Performed nowcasting on GDP using dynamic factor models (DFM)
- Researched the effect of applying regularization techniques to DFM

NOI SCIENTIFIC COMMITTEE | Problem Tester
Jan 2023 - Apr 2023 | Remote
- Tested problems that were used for the Olympiad
- Made sure that the problem statement was clear, all test data were correct, and all wrong or slow solutions failed

ATENEO | Programming Varsity
Oct 2019 - Dec 2023 | Quezon City, Philippines
- Competes in national and international programming competitions (ICPC, Google Code Jam, etc.)
- Solves programming (algorithms and data structures) problems weekly

SKILLS

DATA ANALYSIS
MongoDB • SQL • Machine Learning • Forecasting

PROGRAMMING
Python • Javascript • C++ • R • Java • C#

WEB DEVELOPMENT
React • NextJS • Django • Spring Boot • CSS • HTML

OTHER TECHICAL SKILLS
Algorithms • Data Structures • LaTeX

LANGUAGE
English • Filipino • Bisaya (Cebuano)

LINKS

LinkedIn:// Mark Kevin Ong Yiu
Github:// ongyiumark
Website:// ongyiumark.com

EDUCATION

ATENEO DE MANILA UNIVERSITY
Master in Data Science
Director's List Scholar - Top 200 in Ateneo College Entrance Test (ACET)
Grad. June 2024 | Quezon City, Philippines
Cum. QPI: 4.00/4.00

BS Applied Mathematics, Minor in Enterprise Systems
Summa Cum Laude | Program Awardee | Director's List Scholar
Grad. July 2023 | Quezon City, Philippines
Cum. QPI: 3.92/4.00

TECHNICAL PROJECTS

STEAM GAMES | Data Story
Interactive visualizations of steam games
- Automatically generates a data story for various genres of games with interactive plots and figures using Chart.js

HAND POSE COLLECTOR | Machine Learning
Machine-learning-assisted data collector
- Detects the user's hand pose and allows them to download the image accompanied with the hand pose data

RESEARCH

ICOAIMS 2023 | Conference
August 22-24, 2023 | Kuantan, Malaysia
Presented "Applying XGBoost, Neural Networks, and Oversampling in the Undernutrition Classification of School-aged Children in the Philippines".

ACHIEVEMENTS

Year	Result	Event
2022	Top Quartile	Simon Marais Mathematics Competition 2022
2022	Top 8	StackLeague 2022 Individual Grand Winners
2022	Round 2	Meta (Facebook) Hacker Cup
2022	2nd	ASEAN Data Science Explorer National Finalist
2022	Round 2	Google CodeJam
2021	Finalist	GCash Innovation Challenge
2021	3rd	UP ACM : Algolympics 2021
2019	2nd	Philippine Statistics Quiz (PSQ) NCR Regionals