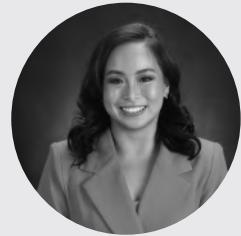


NIREL IBARRA

Junior Data Scientist

Tech enthusiast skilled in Python and JavaScript, aspiring to excel in Data & Analytics and Web Development. A perpetual learner with strong time management, flexibility, and dependability. Open to feedback, I bring a growth mindset, creativity, and collaboration to projects. Eager for mentorship opportunities, I thrive independently, embracing challenges with curiosity. Committed to making a dynamic impact in the tech landscape.



CONTACT

- nirelmarieibarra@gmail.com
- +639175362641
- linkedin.com/in/nirel-ibarra
- https://github.com/knee-rel
- bit.ly/CVNirellbarra

EDUCATION

MASTER OF SCIENCE (MS) in Sustainability Management

Ateneo de Manila University
Aug 2023 - Present
4.0 GPA

BACHELOR OF SCIENCE (BS)
Major in Information Technology
Entrepreneurship, Minor in German Studies

Ateneo de Manila University
Aug 2019 - May 2023
3.76 GPA, Magna Cum Laude, Rank #2 in the Graduating Batch of the Program

SKILLS

FULL-STACK WEB DEV

HTML CSS Tailwind CSS Bootstrap
MaterialUI Javascript ReactJS MongoDB
Vue REST API JSON JWT Next JS
ExpressJS NodeJS Django Flask FastAPI
WordPress

MOBILE APP DEV

React Native Flutter XCode Firebase

DATA SCIENCE & ANALYTICS

Python Pandas NumPy Matplotlib
Selenium SQL

EXPERIENCE

SOFTWARE ENGINEER

Teravibe | Feb 2024 - Present

- Performing data-related analyses using Pandas and NumPy to develop backtesting algorithm for trading platforms QuantConnect and Interactive Brokers.
- Conducting technical support on API-related access keys in the company's single-sign-on authentication product for clients.

PART-TIME FACULTY

Ateneo de Manila University | June 2023 - Present

- Leads sustainable tech research at BUILD, specializing in Python, and develops reusable libraries for student-led start-ups. Utilizes tools like Selenium and LLMs to drive innovation and practical applications.
- Conducts influential workshops in Python and JavaScript for School of Management Honors Programs, fostering hands-on learning. Integrates web development initiatives like API workshops to support students in their entrepreneurial endeavors.

WORDPRESS DEVELOPER

Freelance Work at Polydoor | July 2023 - Dec 2023

- Prototyped a website for a door wholesaler company in the Philippines using Figma. Built the website using WordPress and WooCommerce plug-ins.
- Tweaked current website templates through CSS and PHP. Deployed the website using GoDaddy.

WEB DEVELOPER

Buzzin PH | Oct 2022 - Aug 2023

- Built a website using WordPress and WooCommerce plug-ins to create the product of the start-up, which is a tool that enables bars to efficiently manage orders, payments, and key customer insights to maximize sales during peak hours.

TECH LEAD

Tom Taps Universe | Dec 2021 - Aug 2022

- Built a Flutter-based application prototyping, ensuring functionality of interactive cards. Specialized in developing an AAC app tailored for autistic children. Built features involve the picture card communication feature and the shop.

WEB DEVELOPER

BYTE | Sept 2021 - Oct 2021

- Developed the inaugural website for BYTE, the course's home organization, employing React library Gatsby for the front end and Strapi as the backend headless CMS handling dynamic data fetching.

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SKILLS

AWS CLOUD PRACTITIONER

AWS EC2 AWS RDS Amazon S3
AWS CDN AWS IAM

UX/UI Version Control
Figma Miro AdobeXD Git GitHub

LANGUAGES



GRANTS/SCHOLARSHIPS

Athletic Scholarship in Ateneo de Manila University

Temasek Foundation Scholarship for the NUS Summer Programme for Entrepreneurship

Singapore Management University Scholarship for the Digital Transformation and Analytics Online Data Camp

VOLUNTEER WORK

ATENEO LINGUA ARTS AND CULTURA

Turuan program tutor
Teaching fellow students basic German language skills.

ATENEO DE MANILA UNIVERSITY OPEN HOUSE '23

Speaker
Gave a talk about University life in the BS IT Entrep Program to incoming freshman students.

FAST ATENEO SWIMMING TEAM

Co-Captain
Managing younger swimmers and helping with short-term and long-term planning by actively looking for sponsors, making suggestions for team dynamics improvements, and scouting for suppliers of merchandise.

WORKING EXPERIENCE CONTINUED

WEB DEVELOPER

Google Developer Students Club (Loyola) | Sept 2021 - Oct 2021

- Developed a responsive production website for advocacy organization Eskwelabs using Vue.js. The project involved using dynamic data handling and API integration through Strapi.io.

WEB DEVELOPER

Alternative Housing Group | Aug 2020 - Feb 2021

- Ensured webpage responsiveness with CSS and Tailwind CSS, performed QA testing for optimal UX,
- Adhered to best practices for code maintenance and page creation using NextJS for their new web-based product.

INTERNATIONAL SCHOOLING PROGRAMS

DIGITAL TRANSFORMATION AND FINANCIAL ANALYTICS USING PYTHON

Singapore Management University | Feb 2023

- Participated in a two-week intensive BootCamp immersing students in Python libraries (pandas, matplotlib, etc.) for analyzing companies and their stock market positions.

NUS ENTERPRISE SUMMER PROGRAM IN ENTREPRENEURSHIP

National University of Singapore | July 2021

- Participated in a two-week immersive summer program designed to cultivate young entrepreneurs through exposure to Singapore's vibrant startup ecosystem.
- Under a full scholarship provided by the Temasek Foundation.

UNDEGRADUATE THESES

TOM TAPS UNIVERSE

Communication Mobile Application

Tom Taps Universe offers Alternative and Augmentative Communication to people with speech limitations by providing a mobile with improved flexibility, interactivity, and data summarization. It offers a varying amount of speech tools in the form of cards to people with speech limitations. It is designed for children's use to supplement their daily functional communication skills.

BUZZIN PH

Point of Sale System for the Hospitality Industry

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WORK IN PROGRESS

STRATEGY FOR EVALUATING PROGRAMMING STUDENTS IN A POST-CHATGPT LEARNING ENVIRONMENT

This research paper explores GAI's impact on introductory programming education in a Philippine university. It addresses challenges in assessing learning outcomes when students have access to GAI and strategies for assessment design in GAI-enabled learning environments.

EXPLORATORY WEB-SCRAPING ANALYSIS OF DATA SCIENCE AND ANALYTICS ROLES IN STARTUPS FOR CURRICULUM ALIGNMENT

This study employs web scraping to examine the tasks and skills associated with standard roles in data science and analytics, drawing upon established frameworks for comparison.

CONFERENCE ATTENDANCE

AI SUMMIT PHILIPPINES 2023

Participated in the two-day physical conference about AI in the Philippines. Got the opportunity to network and talk to various corporate tech players in the Philippines.

TECH EVERYWHERE 2020

Virtually participated in the two-week talk and workshop-filled conference. Learned about the different aspects of a start-up.

UXPH CONFERENCE 2020

Virtually participated in the two-day conference about User Experience. Learned about designing principles and conventions for effective communication to end-users. Awarded as a UXPH scholar and given a free ticket to attend the conference.

DEVFEST 2020

Virtually participated in the two-day conference of Google Developer Groups Philippines. Learned about software conventions and effective communication with fellow developers.

ACADEMIC AWARDS AND NOMINATIONS

MAGNA CUM LAUDE (Graduate Honors)

Ateneo de Manila University

- Obtained a cumulative GPA of 3.70 and above to qualify for this prestigious Latin honors.

CONSISTENT SEMESTRAL DEAN'S LISTER (UNDERGRADUATE)

Ateneo de Manila University

- Qualifying to the Dean's List means obtaining a GPA of 3.35 and above per semester.

PYTHON BOOTCAMP BEST GROUP PRESENTATION

Singapore Management University

- Our group was awarded the best presentation among 8 groups who presented their case studies on the Stock Market comparisons of chosen companies Adidas, Lululemon, and Nike. The group presented a thorough analysis of the stock market industry of the said companies.

SECOND HONORS FOR GRADUATION

Ateneo de Manila Senior High School

- Obtaining this award means maintaining a cumulative GPA of above 3.6

ST. STANISLAUS KOSTKA AWARDEE FOR EXEMPLARY BEHAVIOR (ASHS)

Ateneo de Manila Senior High School

- Obtaining a mark of Exemplary for decorum on all subjects taken during the semester

ST. FABER LEADERSHIP AWARD FOR CLASS OFFICERSHIP (ASHS)

Ateneo de Manila Senior High School

- Awarded to Class Officers for their service

[NOMINEE] PROGRAM AWARDEE FOR THE BS IT ENTREPRENEURSHIP PROGRAM

Ateneo de Manila University

- One of Seven elite students nominated for the prestigious graduation honor for excellence shown in Academics and Extracurriculars.

[NOMINEE] AMBROSIO PADILLA AWARD

Ateneo de Manila University

- One out of three student-athletes nominated due to excellent performance in the Sports Discipline and Academic Performance. Only athletes with spectacular performance on both disciplines are nominated.

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AWARDS FROM SPORTS

UNIVERSITY ATHLETICS ASSOCIATION OF THE PHILIPPINES (UAAP)

UAAP (University Athletic Association of the Philippines) is a prestigious collegiate sports association founded in 1938, featuring top universities. Known for highly competitive sports events, it fosters intense school pride and rivalries, shaping vibrant university cultures. UAAP's historical significance, member universities, and extensive media coverage contribute to its prominence, making victories in its events significant achievements in Philippine collegiate sports.

- 🥈 Season 80 Team Relay Silver Medalist, Girls' 4x200 meters freestyle relay
- 🥉 Season 80 Team Relay Bronze Medalist, Girls' 4x100 meters medley relay
- 🥉 Season 81 Team Relay Bronze Medalist, Women's 4x200 meters freestyle relay
- 🥇 Season 82 Individual Gold Medalist, Women's 200 meters breaststroke
- 🏆 Season 82 Team Champion for Women's Swimming
- 🥈 Season 85 Team Relay Silver Medalist, Women's 4x200 meters freestyle relay
- 🥈 Season 85 Team Second Runner-Up for Women's Swimming
- 🥇 Season 86 Team Relay Gold Medalist, Women's 4x200 meters freestyle relay
- 🥉 Season 86 Team Individual Bronze Medalist, Women's 100 meters breaststroke
- 🏅 Season 86 Team First Runner-Up for Women's Swimming

GRAND PRIX LONG COURSE NATIONAL CHAMPIONSHIPS 2022

The Grand Prix Long Course Grand Championships in Philippine swimming is a prestigious event, featuring top-level competition, showcasing skill, endurance, and fostering sportsmanship. It attracts nationwide attention, promoting competitive swimming.

- 🥈 Silver Medalist, Women's 200 meters breaststroke (Open Category)
- 🏅 Gold Medalist, 19&Over Women's 200 meters individual medley
- 🥈 Silver Medalist, 19&Over Women's 400 meters individual medley
- 🥈 Silver Medalist, 19&Over Women's 200 meters breaststroke
- 🥉 Bronze Medalist, 19&Over Women's 100 meters breaststroke

PHILIPPINE NATIONAL AGE GROUP 2023

- 🥉 Bronze Medalist, 18&Over Women's 200 meters breaststroke

START-UP/CASE COMPETITION AWARDS

USRN-HONG KONG POLYTECHNIC UNIVERSITY SUSTAINABILITY COMPETITION

Grant Winner

- Ideated a solution for the Asia landscape on mental health sustainability. Presented the said solution to stakeholders.

KAYA FOUNDERS ATENEO START-UP ACCELERATOR PROGRAM (ASAP) FIRST RUNNER-UP (BUZZIN PH)

First Runner Up

- Presented the prototype problem and solution of Buzzin PH in the form of an app prototype to a panel of judges.

JOHN GOKONGWEI SCHOOL OF MANAGEMENT GRAND PRIX Champions

- My group pitched our prototype solution, Buzzin, to a panel of judges. We presented the problem and solution in the form of an elevator pitch. Won cash prize as a result of winning the event.

ONLINE COURSES TAKEN

Coursera Courses

- AI for Everyone by deeplearning.ai
- A Crash Course in Data Science by Johns Hopkins University
- Building a Data Science Team by Johns Hopkins University
- Managing Data Analysis by Johns Hopkins University
- Neural Networks and Deep Learning by Deeplearning.ai
- Data Science in Real Life by Johns Hopkins University
- Technical Support Fundamentals by Google
- The Bits and Bytes of Computer Networking by Google
- Operating Systems and You: Becoming a Power User by Google
- Python for Everybody Course Specialization by University of Michigan
 - Programming for Everybody: Getting Started with Python
 - Python Data Structures
 - Using Python to Access Web Data
 - Using Databased with Python
 - Capstone: Retrieving, Processing, and Visualizing Data with Python
- Python Basics by University of Michigan
- Python Programming Essentials by Rice University

Udemy Courses

- Complete Python Bootcamp: Go from Zero to Hero in Python 3
- MongoDB, Express, React, and Node.JS: The Fullstack Guide by Maximilian Schwarzmüller
- The Web Developer Bootcamp by Colt Steele
- Python Django - The Practical Guide by Maximilian Schwarzmüller

AWS Academy

- AWS Cloud Foundations