

Abigail C. Nadua

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WORK EXPERIENCE

University of the Philippines Los Baños

Laguna, 4031

Computer Science Instructor

August 2023 - Present

- Designed and facilitated laboratory instruction for courses in discrete mathematics, computational methods, mobile development, and automata theory, emphasizing interactive and analytical learning.
- Constructed tailored programming activities and resources, enhancing student comprehension and practical skills.
- Created Android applications using Flutter and Firebase, ensuring alignment with real-world industry practices.
- Maintained a dynamic learning environment that fostered critical thinking and practical problem-solving skills among students.

MyCode Corp.

Quezon City, Metro Manila

Curriculum Developer

March 2023 - August 2023

- Conducted comprehensive research and analysis of curriculum standards, generating actionable insights that led to the improvement of the Scratch, Python, and Web Development programs, significantly enhancing educational quality.
- Revamped and enhanced curriculum resources for new programs and teacher training, resulting in a 25% increase in resource accessibility and improving usability for educators and students.
- Optimized partner school curriculum materials through consistent updates, leading to a 20% increase in teacher engagement with resources.

You_Source Inc.

Makati, Metro Manila

Software Engineer Intern

June 2021 - September 2021

- Designed and implemented an event management application with Angular-based Ionic Framework and Firebase, successfully adhering to strict project timelines.
- Developed and presented a web application that met company standards, resulting in positive feedback from the software engineering team.
- Completed training in Angular and .NET frameworks, achieving proficiency in full-stack development.

MyCode Corp.

Quezon City, Metro Manila

Part-time Programming Instructor

June 2020 - March 2023

- Delivered programming lessons to students aged 5-17, resulting in a 99% course completion rate.
- Created engaging exercises and activities, improving understanding and coding proficiency by 30%.
- Provided personalized feedback on assignments, boosting student satisfaction ratings by 15%.

PROJECTS

Cliquest: A Travel Planning App

April 2025 - Present

- Designed a user-friendly prototype using Figma to visualize app functionality before development, ensuring a seamless user experience.
- Developing a cross-platform application for Android and iOS using Flutter, Dart, Node.js, Typescript, Express, and PostgreSQL to facilitate real-time coordination for solo travelers and small groups.
- Collaborating with users and stakeholders to refine features, including trip coordination tools and real-time communication.

Sentiment Analysis of Tweets

August 2022 - January 2023

- Collected and preprocessed tweets using Python libraries like pandas, numpy, and Tweepy, creating a clean dataset for analysis.
- Implemented and compared deep learning models, including CNN and Bi-LSTM with pre-trained GloVe word embeddings, using Tensorflow/Keras to evaluate model performance.
- Optimized models for accuracy and efficiency, leveraging insights from experimental results.

LOLCode Interpreter

October 2020 - December 2020

- Developed a LOLCode interpreter in C#, incorporating advanced lexical and syntax analyzers for reliable command parsing.
- Implemented core functionalities, such as variable assignment, data type identification, arithmetic operations, and conditional statements (if-else, switch), ensuring robust program execution.
- Validated code execution through rigorous testing, ensuring compatibility with LOLCode standards.

EDUCATION

University of the Philippines Los Baños

Laguna, 4031

Bachelor of Science in Computer Science

Magna Cum Laude

SKILLS & INTERESTS

- Technical Skills:**
 - Languages:** Python, Dart, R, C, HTML & CSS, Javascript/Typescript, SQL
 - AI Frameworks and Data Management Libraries:** pandas, numpy, scikit-learn, Tensorflow/Keras
 - Software Development:** Flutter, Git, Firebase, PostgreSQL, RESTful API, React, Node.js, MongoDB, Tailwind CSS
- Soft Skills:** problem solving, algorithm analysis, good communicator and collaborator, flexible and adaptable, independent learner
- Hobbies:** video games, traveling, playing with pets, anime, manga, K-pop