

MA. CLARISSA MARASIGAN

COMPUTER SCIENCE

Technological Institute of the Philippines (TIP) Q

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CAREER OBJECTIVE

To obtain a challenging position that will utilize my skills and experiences, and which will allow me to grow professionally, while being able to utilize my strong organizational, educational, and exceptional skills.

DESIGN PROJECTS COMPLETED/ RESEARCHES

An Analysis of Some External Factors Influencing Second Language Learner's Success in Effective Communication - 2018

This research for those students who really want to master the second language but having a hard time to understand it.

POS - Cafe Royale

A Point of Sale system for a coffee shop, developed using Java, with features like receipt generation and sales tracking. GitHub link:

<https://github.com/mcmarasigan/finalproject>

My Portfolio Website

A personal portfolio website showcasing my projects, skills, and achievements. Explore my work and learn more about me here:

<https://mcmarasigan.github.io/>

Exploring the Applications of Modeling and Simulation Techniques

This study explores the use of modeling and simulation techniques, including Linear Regression, Exponential Growth Model, and Malthus Population Growth Model, to predict the future growth rates of Local Government Units (LGUs) in the Philippines, with an emphasis on minimizing prediction errors.

Bakery Management For DrewBakes

A bakery management system developed using Java, designed to streamline operations such as inventory tracking, order processing, and sales monitoring.

PomoDo - A Task List Pomodoro Application

PomoDo is a mobile app designed to help users manage tasks efficiently using the Pomodoro method. It features a task list and a timer to promote focus and productivity by dividing work into 25-minute sessions with 5-minute breaks, ensuring users stay organized and energized throughout their day.

Library Management System with NLTK

This project involves creating a Library Management System with features such as book entry and management, search functionality, circulation (borrowing and returning), and borrower management. It leverages the Natural Language Toolkit (NLTK) to incorporate natural language processing techniques, such as sentiment analysis for user reviews, enhancing the system's overall functionality and user experience.

Political Sentiment Analysis and Visualization System

This project aims to develop an automated system for analyzing public sentiment towards political policies using Natural Language Processing (NLP) and network analysis. The system scrapes data from Reddit, performs sentiment analysis with NLTK, and uses Latent Dirichlet Allocation (LDA) for topic modeling. Visualizations include word clouds and network graphs, providing policymakers with data-driven insights to enhance communication and decision-making.

KNOWLEDGE, SKILLS AND ATTITUDE

- **Technical Skills:** Proficient in C++, Java, Python, Flutter, and JavaScript. Experienced with relational databases such as MySQL and Firebase. Familiar with web development basics (HTML, CSS, JavaScript) and hands-on with tools like Visual Studio Code, Git/GitHub, VirtualBox, and XAMPP.
- **Software Development:** Skilled in creating functional applications with a focus on user-centered solutions, including task management and productivity tools.
- **Design Tools:** Proficient in Canva and Figma for creating presentations, prototypes, and visual content. Experienced with Microsoft Word, Excel, PowerPoint, Google Drive, Google Docs, Google Sheets, and Google Slides.
- **Problem-Solving:** Strong analytical and problem-solving skills with a solid understanding of data structures and algorithms.
- **Collaboration:** Ability to work effectively in team environments. Demonstrates excellent written and verbal communication skills and strong leadership abilities.
- **Time Management:** Capable of meeting deadlines efficiently while managing multiple tasks. Eager to learn new tools and adapt to dynamic environments.

SEMINARS AND TRAININGS ATTENDED

- Gen Z on the Grind: Shaping the New Workforce
Technological Institute of the Philippines
November 19, 2024
- Future-Proof Your Career: Making AI Your Ally, Not Your Adversary
Technological Institute of the Philippines - Quezon City
October 16, 2024
- ACADEMY BASIQS - Introductory Class on Startups
Technological Institute of the Philippines - Quezon City
August 31, 2024
- Cyber Security Buff: Defending Against SQL Injection and Brute Force Assaults
Technological Institute of the Philippines - Quezon City
April 17, 2024
- Armor Up!: Securing Tomorrow with AI Today
Technological Institute of the Philippines - Quezon City, Building 1, Seminar Room A & B
April 08, 2024
- Harmonizing SDGs and Political Theories: A Path to Transformative Leadership and Management Reforms in Barangay Marilag
Technological Institute of the Philippines - Quezon City
December 01, 2023

EXTRA AND CO-CURRICULAR ENGAGEMENTS AND VOLUNTEER WORKS

- Tempest Gaming Society (TGS)
Member
November 01, 2023 - July 01, 2024
- Junior Philippine Computer Society (T.I.P. Q.C. Chapter)
Member
October 01, 2023 - July 01, 2024