

Inah Gayle S. Castro

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SKILLS

Languages

Python 3 (preferred), C,
Ruby on Rails, Assembly
(MIPS and x86)

ML and Data Science

scikit-learn, NumPy,
pandas, matplotlib,
seaborn, plotly, PyTorch

Web Development

MERN (MongoDB,
Express, React.js,
Node.js) Stack,
JavaScript, CSS, HTML

Prototyping

Adobe Photoshop,
InVision

Project management

Agile, Scrum

EDUCATION

University of the Philippines – Diliman

2019-2024

Bachelor of Science in Computer Science
Magna Cum Laude

WORK EXPERIENCE

D.W. Morgan

Backend Software Engineer Intern **June 2022 – September 2022**

- Significantly contributed to the enhancement of FlexShip's tracking and recordkeeping processes by resolving bugs and implementing features such as bulk input and automatic PDF generation of shipment details, and a guest search capability to track orders without logging in.
- Collaborated with a team of skilled software engineers that utilized the agile methodology to ensure rapid development and timely delivery of high-quality output.

ACADEMIC PROJECTS

Evaluating Adversarial Attacks on Fake News Detection in the English and Filipino Language

Undergraduate research paper

AY 2022-2023

- Worked closely with a research partner and evaluated three kinds of adversarial attacks targeting two fake news detection models trained on English and Filipino language datasets, using Integrated Gradients and Semantic Textual Similarity for analysis.
- Co-authored a research paper where we extensively discussed our findings on the potency of the adversarial attacks against the robustness of the models.

langat ang Buhay na Katotohanan: PH Twitter Fake News Analysis

Course project

2nd Semester, AY 2022-2023

- Collaborated within a team of three where we leveraged various data science skills and demonstrated proficiency in machine learning techniques.
- Contributed to the development of a topic clustering model using LDA, and an event detection model using peak finding and change point detection methods.
- Implemented the design and creation of the team's portfolio website as well as the poster presented at "Watch the Facts: A Mini-Conference on Data Science and Disinformation".

HONORS AND AWARDS

Creative Solutions Award

June 2023

Watch the Facts: A Mini-Conference on Data Science and Disinformation (CS 132, DCS, University of the Philippines – Diliman)

University Scholar

A.Y. 2023-2024 1st Semester, A.Y. 2022-2023, A.Y. 2021-2022, A.Y. 2020-2021 2nd Semester

University of the Philippines – Diliman

College Scholar

A.Y. 2019-2020 1st Semester

University of the Philippines – Diliman

Undergraduate Merit Scholarship Awardee

March 2019

Science Education Institute, Department of Science and Technology