

COLEEN THERESE A. AGSAO

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EDUCATION

University of the Philippines Los Baños | Bachelor of Science in Computer Science 2020 - 2024

- GWA:** 1.41, magna cum laude
- Recognitions / Scholarship:** Nominee for Phi Kappa Phi International Honors Society; University Scholar (Freshman, Sophomore, Junior 2nd Sem, Senior 1st Sem); College Scholar (Senior 2nd Sem); Honor Roll (Junior 1st Sem); OWWA Education for Development Scholarship Program (EDSP) Scholar

SKILLS

Front End | HTML, CSS, JavaScript, Dart, React, Vue, Next.js, Flutter, Tailwind, Bootstrap, Bulma
Database & Back End | Node.js, Express, MongoDB, MySQL, Firebase
Other Programming Languages | Python, C, Java, R
Developer Tools | Git, GitHub, Docker, Postman, Insomnia

WORK EXPERIENCE

Full Stack Developer (Part-time) | Freelance Jul. 2024 – Present

- Delivered a comprehensive presentation of my undergraduate thesis on a trauma software solution to the board of the Jose R. Reyes Memorial Medical Center (JRRMC), facilitating discussions on next steps for final approval.
- Initiated early stages of preparation for pilot testing, laying the groundwork for system’s further development.

Software Programming Instructor (Part-time) | MyCode Jun. 2022 – Present

- Instructed 50+ one-hour coding sessions for children in Python game development with the Turtle Module, and web development using HTML and CSS, helping students to develop essential programming skills and create engaging games and web pages.

AI and Machine Learning Apprentice | Dashlabs.ai through Kadakareer Sept. 2023 - Nov. 2023

- Developed a case study-specific project focused on processing health forms which included text extraction using Amazon Textract, text segmentation, data organization leveraging PyPandas, and visualization.

Software Engineering Intern | White Widget Jul. 2023 – Aug. 2023

- Engaged in a live project, executing feasibility evaluations of prospective technologies that made a definitive 100% impact on the project's trajectory, endorsing the implementation of OSM and Pelias.
- Developed a data ingestion POC UI for Pelias, focused on backend utilization of Elasticsearch API and comprehension of the Pelias/csv-importer.

Python Tutor | Freelance Aug. 2021 – Oct. 2021

- Led a successful private tutoring program for 5 non-computer science juniors, delivering 36 hours of foundational programming instruction and practical support over three months.

PROJECTS

Code Blue: Web-based National Trauma Registry | *Firebase, Express, React, Node.js*

- Engineered a centralized database and APIs with medical security protocols like Advanced Encryption Standard end-to-end column-level encryption and RSA JSON Web Token, and implemented a web application emphasizing administrative tasks for hospital administrators and analytics of JRRMMC.

Bridge: Social To-do Mobile App | *Dart, Flutter, Firebase*

- Designed and implemented a Flutter shared to-do mobile application that allows users to create, view, and edit their to-do items with their friends, and leveraged Firebase to develop a friends’ feature that allows users to send friend requests, view friend's profiles, and unfriend friends to store and fetch friend information.

Bedev: Social Media Networking App | *MongoDB, Express, React, Node.js*

- Designed and developed a full-stack social networking site like Facebook using the MERN stack with an implementation of a user-sign up form with form validation and feed page with the ability to search, add new posts, edit or delete user's own posts, and display the most recent posts from both the user and their friends.

CERTIFICATES / TRAININGS

Salesforce Developer Platform Training Scholar | Accenture sponsored by FTW Foundation

LEADERSHIP & OTHER AFFILIATIONS

Alliance of Computer Science Students – UPLB, VP for Finance and Management Sept. 2022 – Sept. 2023

- Led finance-related initiatives for the financial growth of the organization, resulting in a 400% increase in funding from 10k to around 55k.

The Parliament: Debate Society – SLIDE XII, Technical Director Nov. 2022 – Mar. 2021

- Spearheaded a team of 5 that managed technology-related assets like technical manuals for 250+ participants and observers of the biggest debate tournament for high school students all over the Philippines.