

COLEEN THERESE A. AGSAO

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EDUCATION

- University of the Philippines Los Baños | Bachelor of Science in Computer ScienceExpected: 2024
 - Running GWA: 1.401
 - Recognitions / Scholarship: Nominee for Phi Kappa Phi International Honors Society, University Scholar (Freshman – Sophomore, Junior 2nd Sem, Senior 1st Sem); Honor Roll (Junior 1st Sem), EDSP Scholar of OWWA
- University of Nueva Caceres | Science, Technology, Engineering, and Mathematics2018 – 2020
 - Recognitions / Scholarship: Graduated Rank 2 in the whole graduating class of Batch 19-20, Recipient of the Innovation Award for Science, Technology, Engineering, and Mathematics

SKILLS

Front End | React, Vue, TypeScript, JavaScript, MUI, Bulma, Tailwind, HTML5, CSS3, Flutter
Database & Back End | Node.js, Express, MongoDB, MySQL, Firebase, Dart
Developer Tools | Git, npm, Docker
Soft Skills | Communication, Collaboration, Problem-Solving, Adaptability, Attention to Detail, Time Management

WORK EXPERIENCE

- AI and Machine Learning Apprentice | Dashlabs.ai through KadakareerSept. 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 from extracted data.
- Software Engineering Intern | White WidgetJul. 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.
- Software Programming Instructor | MyCodeJun. 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.
- Python Tutor | FreelanceAug. 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 Database (Ongoing) | *Firebase, Express, React, Node.js*
 - Engineered a centralized modular database and implemented a web application emphasizing administrative tasks for hospital administrators and analytics for Philippine College of Surgeons (PCG).
 - Developed APIs with medical security protocols like Advanced Encryption Standard end-to-end column-level encryption, RSA JSON Web Token, and Role-Based Access Control to ensure medical data security
- 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.
 - 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 (ACSS – UPLB), VP for FinanceSept. 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
 - 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.