Andrian Lloyd Maagma

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EDUCATION

Bachelor of Science in Computer Science   **2024 - Present**
University of the Philippines, Iloilo, Philippines

Science, Technology, Engineering, and Mathematics Strand – Academic Track   **2022 - 2024**
Maloco National High School, Aklan, Philippines
- Honors/awards: With Highest Honor, Department of Science and Technology Scholarship
- Relevant Coursework: Capstone/Research Project, Practical Research I & II
- Project: Aklish
  - Developed a **web application** to support the Aklanon language with features for crowdsourcing translations, dictionaries, proofreaders, and word games using Django and React.js.
  - Created a dictionary-based Aklanon **spellchecker** using the SymSpellPy library.
  - Developed a **Python library** for Aklanon word stemming to improve the Aklanon spell-checker.
  - Managed user feedback and iteratively improved the application based on input from 30 users.
- Project: tagLID
  - Developed an open-source **Language Identification (LID) tool** to analyze Tagalog-English (Taglish) code-mixed text data using Python and Natural Language Processing (NLP) techniques.
  - Created a Python library for Tagalog word **stemming** to improve Tagalog language detection.
  - **Web scraped** a Tagalog dictionary website and **parsed XML** files from an English dictionary using BeautifulSoup4.
  - Derived metrics on code-switching frequency from data collected from 57 respondents.

Media Arts – Special Program in the Arts   **2018 - 2022**
Ibajay National High School, Aklan, Philippines
- Honors/awards: With High Honor
- Relevant Coursework: Graphic Design, Animation, Photo and Video Editing

EXPERIENCE

Student Council Vice President   **2023 - 2024**
Supreme Secondary Learner Government, Maloco National High School
- Led the creation of the student council's **visual identity**, including logo design and promotional assets.
- Designed **graphic materials** for social media, tarpaulins, backdrops, flyers, and other publications.

Resource Speaker in Collaborative and Desktop Publishing   **2022**
School-based Journalism Camp, Solido National High School
- Delivered **workshops** on graphic design theory, Adobe InDesign, Photoshop, and efficient time management for layout artists.

Co-founder in Startup Competition   **2022**
MATHuto, Philippine Startup Challenge 7
- Co-founded a **mobile app** to gamify math learning, improving student engagement.
- Contributed to branding, **UI/UX design**, and pitch presentations for the startup competition.

ACHIEVEMENTS

- Regional Schools Press Conference Qualifier - Collaborative & Desktop Publishing, **Layout Artist** (2024)
- Regional SciMathlympics Qualifier - Computational and Mathematical Science, **Researcher** (2023)

SKILLS

- **Tools and Technologies:** Python, Django, JavaScript, React.js, Adobe Photoshop, Illustrator, InDesign
- **Industry Knowledge:** Web development and design, Data analysis, Natural Language Processing
- **Interpersonal Skills:** Problem-solving, Easily Adaptable, Teamwork, Communication