Adriel Isaiah Amoguis

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Reserach Assistant

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Hello! I am currently a student of Bachelor of Science in Computer Science with a Specialization in Software Technology (CS-ST) and a student under Masters in Computer Science under De La Salle University College of Computer Studies' Ladderized BSMS Program. I am an aspiring software engineer and machine learning engineer, specifically in Machine Vision.

SKILLS

Research Areas	Machine Vision & Mathematical Modeling
Programming Languages	JavaScript, Python, Java, C Family, PHP, x86 ASM, RISC-V ASM, Prolog
Database Scripting	MySQL, NoSQL (MongoDB & Mongoose for JS)
Tech Stacks	MERN, JamStack, Express-HBS-Mongo
Research Interests	Computer Vision in Transportation, Natural Language Processing with Sentiment Analysis
Dev. Methodologies	Agile & Scrum
Communication	English (Primary), Filipino (Tagalog & Visayan), Mandarin (Exp. HSK Level 3 - Speak, Read, Write)

TECHNICAL EXPERIENCE

Research Assistant — Nov 2022 — Present
Dr. Andrew L. Tan Data Science Institute (ALTDSI), DLSU — *Taguig, Metro Manila, Philippines*
- Working as a web developer & web manager for the institute.
- Assists in research work done within the institute.

Head Developer — Oct 2020 — Present
Lasallian Youth Orchestra — *Manila, Philippines*
- Served as the Company Manager (President) of the organization (until Sep 2022).
- Formed the organization's development team to develop solutions to ease the effects of the online shift.
- Created the organization's Residency Tracker Discord Bot (Python & JavaScript Discord.py & discord.js)
- Created the organization's Information System (Next.js, MySQL, Netlify Lambda)

Developer — Nov 2021 — Feb 2022
Disciples Christian Church — *Manila, Philippines*
- Designed and Managed the Continuous Integration & Deployment Scheme
- Served as a Developer for the renovation of their Database System.
- Served as a Feature Developer for new features and enhancements.
- Served as partial fulfillment of the requirements in Advanced Software Engineering (STSWENG).

Back-End Developer / CelesteManila E-Commerce Web Application — Jun 2021 — Sep 2021
Celeste Manila — *Manila, Philippines*
- Designed and Managed the Continuous Integration & Deployment Scheme
- Co-designed the Application Structure and Architecture
- Served as a Feature Developer for new features
- Served as partial fulfillment of the requirements in Software Engineering (CSSWENG)

Intern — Aug 2019 — Sep 2019
Davao Christian High School — *Davao City, Philippines*
- Managed Active Directory systems on In-House Windows Infrastructure (Windows Server)
- Did campus-wide IT works (system setup & configuration)

EDUCATION

MS in Computer Science, *De La Salle University*	Expected DEC 2024
BS in Computer Science with Specialization in Software Technology, *De La Salle University*	Expected DEC 2023
High School Diploma (JHS & SHS), *Davao Christian High Schoool*	MAY 2019
Grade School Diploma (Primary Education), *Holy Child College of Davao*	MAR 2013

PUBLICATIONS

- Amoguis, A. I. V, Hermida, H. A., Madrid, G. J. B., Marquez, G. C., Dy, J. O., Guerrero, J. G. O., & Ilao, J. P. (2023). Road Lane Segmentation Using Vehicle Trajectory Tracking and Lane Demarcation Lines. 6th International Conference on Machine Vision and Applications.
- Amoguis, A. I. V, Madrid, G. J. B., Flores, B. M. D., & Cordel, M. (2023). Baybayin Character Instance Detection. Philippine Computing Science Congress 2023.