

Adriel Isaijah Amoguis

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Reserach Assistant

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Hello! I am currently a student under the Bachelor of Science in Computer Science with a Specialization in Software Technology and Ladderized Master's Degree programs in De La Salle University. I am an aspiring software engineer and machine learning engineer, specifically in Machine Vision. I am currently looking for an internship position for at least 320 hours in a span of 4 months, in partial fulfillment of the requirements for my bachelor's degree. I am open to doing internship work in software engineering, systems architecture engineering, and machine learning or AI engineering.

SKILLS

Research Areas	Machine Vision & Machine Learning
Programming Languages	JavaScript, Python, Java, C Family
Database Scripting	MySQL, NoSQL (MongoDB & Mongoose for JS)
Tech Stacks	MERN, JamStack, Express-HBS-Mongo, Jekyll
Dev. Methodologies	Agile & Scrum
Communication	English (Primary - Native Proficiency), Filipino (Tagalog & Visayan - Professional Proficiency), Mandarin Chinese (Exp. HSK Level 3 - Speak, Read, Write)

TECHNICAL EXPERIENCE

Research Assistant <i>Dr. Andrew L. Tan Data Science Institute (ALTDSI), DLSU</i> <ul style="list-style-type: none">Working as a web developer & web manager for the institute.Conducts research on specific projects done in the institute.	Nov 2022 — Present <i>Taguig, Metro Manila, Philippines</i>
Head Developer <i>Lasallian Youth Orchestra</i> <ul style="list-style-type: none">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)	Oct 2020 — Present <i>Manila, Philippines</i>
Developer <i>Disciples Christian Church</i> <ul style="list-style-type: none">Designed and Managed the Continuous Integration & Deployment SchemeServed 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).	Nov 2021 — Feb 2022 <i>Manila, Philippines</i>
Back-End Developer / CelesteManila E-Commerce Web Application <i>Celeste Manila</i> <ul style="list-style-type: none">Designed and Managed the Continuous Integration & Deployment SchemeCo-designed the Application Structure and ArchitectureServed as a Feature Developer for new featuresServed as partial fulfillment of the requirements in Software Engineering (CSSWENG)	Jun 2021 — Sep 2021 <i>Manila, Philippines</i>
Intern <i>Davao Christian High School</i> <ul style="list-style-type: none">Managed Active Directory systems on In-House Windows Infrastructure (Windows Server)Did campus-wide IT works (system setup & configuration)	Aug 2019 — Sep 2019 <i>Davao City, Philippines</i>

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 School	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, 1(1), 1–10. <https://doi.org/10.1145/3589572.3589582>
- Amoguis, A. I. V, Madrid, G. J. B., Flores, B. M. D., & Cordel, M. (2023). Baybayin Character Instance Detection. Philippine Computing Science Congress 2023. [arXiv:2304.09469v1](https://arxiv.org/abs/2304.09469v1)