

Adriel Isajiah Amoguis

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Software Engineering Intern &
Research Assistant

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Hello! I am currently a graduating student in the Bachelor of Science in Computer Science with a Specialization in Software Technology program at De La Salle University. I am also currently a student of the same university's Master in Computer Science program, under the Ladderized Masters' program. I am an aspiring Machine Learning Engineer, especially in machine vision. I am also open to working in the field of Software Engineering.

SKILLS

Research Areas	Machine Vision & Machine Learning
Programming Languages	JavaScript, Python, Java, C Family, PyTorch
Database Scripting	MySQL, NoSQL (MongoDB & Mongoose for JS)
Tech Stacks & Methods	MERN, JamStack, Express-HBS-Mongo, Jekyll, Agile and Scrum Methodologies
Communication	English (Native), Filipino (Professional), Mandarin Chinese (HSK 3)

TECHNICAL EXPERIENCE

Software Engineer (Internship) <i>Manulife IT Delivery Center Asia, Inc.</i>	Sep 2023 — Present <i>Makati, Metro Manila, Philippines</i>
<ul style="list-style-type: none">Migrated Oracle Middleware Fusion forms (in FMB and PL/SQL) to newer proprietary software tech stacks (Java BE and React FE).	
Research Assistant (Contract) <i>Dr. Andrew L. Tan Data Science Institute (ALTDSI), DLSU</i>	Nov 2022 — Present <i>Taguig, Metro Manila, Philippines</i>
<ul style="list-style-type: none">Working as a web developer & web manager for the institute.Conducts research on data science and machine learning projects done in the institute.	
Head Developer and President (Part-Time) <i>Lasallian Youth Orchestra</i>	Oct 2020 — Sept 2023 <i>Manila, Philippines</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 Information System (Next.js, MySQL, Netlify Lambda) and Discord.js bot	
Web Developer (Contract) <i>Disciples Christian Church</i>	Nov 2021 — Feb 2022 <i>Manila, Philippines</i>
<ul style="list-style-type: none">Designed and Managed the CI/CD PipelineServed as a Developer for the renovation of their Database System and new features.	
Back-End Developer / CelesteManila E-Commerce Web Application (Contract) <i>Celeste Manila</i>	Jun 2021 — Sep 2021 <i>Manila, Philippines</i>
<ul style="list-style-type: none">Designed and Managed the CI/CD PipelineCo-designed the Application Structure and ArchitectureServed as a Feature Developer to develop user stories from scratch	
Information Technology Support Intern <i>Davao Christian High School</i>	Aug 2019 — Sep 2019 <i>Davao City, Philippines</i>
<ul style="list-style-type: none">Managed Active Directory systems on In-House Windows Infrastructure (Windows Server)	

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

PUBLICATIONS

- Amoguis, A. I. V., Marquez G. C., Guerrero, J. G. O., & Ilaog, J. P. (2023). Road Lane Segmentation and Functionality Detection. 29th IEEE International Conference On Mechatronics and Machine Vision in Practice, [Accepted Paper, Pending presentation in November 2023].
- Amoguis, A. I. V., Hermida, H. A., Madrid, G. J. B., Marquez, G. C., Dy, J. O., Guerrero, J. G. O., & Ilaog, 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)