

Tristan John Judiel D. Sernat

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Education

National University-Laguna

Bachelor of Science in Information Technology

Cum Laude

Bronze Leadership Award

Calamba, Laguna

2021-2025

Baliuag University

With High Honors

Baliwag, Bulacan

2019-2021

Experience

Nimbyx Philippines Inc.

Software Engineer

BGC, Taguig City

August 2025 – Present

- Develop and optimize AI-driven solutions for laboratory onboarding, leveraging machine learning models to interpret and process RX images.
- Build and maintain self-learning AI mappings to enhance automation and data accuracy across systems.
- Create and execute automation scripts to streamline repetitive workflows, significantly improving operational efficiency.
- Contribute to full-stack development by implementing frontend and backend features for internal web applications, including UI enhancements, API integrations, and user-facing functionalities that support operational workflows.
- Handle and organize datasets for AI training, validation, and deployment.
- Utilize Jira for agile project tracking, GitHub for version control, and SQL and Excel for data management and analysis.
- Collaborate with cross-functional teams to integrate AI models into production environments, ensuring reliability and scalability.

Aboitiz Power Corporation

Information Technology Infrastructure Delivery Intern

BGC, Taguig City

January 2025 – May 2025

- Conducted IT asset validation and Endpoint Central (EC) installation for over 600 employee devices, ensuring accurate tracking and compliance.
- Coordinated with employees for remote and onsite installations and updating validation records.
- Reviewed AppSheet applications for data security and ownership, and documented findings for audit and optimization.
- Regularly created project plans and presented workflow enhancements to supervisors, contributing to operational efficiency.

University Project

ARoundCampus: An Augmented Reality InfoScan Application for NU Laguna

Project Head and First Author of the Thesis

NU Laguna

2023-2024

Led the development of an augmented reality application designed to enhance the traditional campus tour experience at NU Laguna. The app utilizes augmented reality to overlay digital information, such as points of interest and interactive features, onto real-world environments, providing users with an engaging and consistent tour. **Technology used:** Unity.

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Leadership

School of Computer Studies – Student Council President

NU Laguna
2023-2024

Led the organization and execution of various projects and events within the School of Computer Studies, focusing on academic development and community engagement.

- Encouraged student participation, resulting in a significant improvement from the previous year.
- Collaborated with external partners, including Diversified Robotics, to organize university-wide competitions such as the Drag-and-Drop challenge, showcasing innovative robotics applications.
- Directed initiatives such as the Augmented Reality Bootcamp, which introduced students to AR development.
- SysOut General Assembly, a collaborative event highlighting emerging technologies and professional development, in partnership with Diversified Robotics and Hacktiv.

Council of Leaders (University Student Council) Vice President

NU, Laguna
2022-2023

Oversaw the planning and execution of university-wide events, ensuring alignment with institutional goals and student needs.

- Provided leadership and strategic direction for all student organizations across the university, fostering collaboration and operational efficiency.
- Organized leadership training programs and initiatives aimed at enhancing student leaders' skills in project management, communication, and teamwork.

College of Computer Studies – Student Council Finance Officer

NU Laguna
2022-2023

Managed the financial operations of the College of Computer Studies Student Council, ensuring transparency, accountability, and efficiency.

- Prepared detailed audit reports outlining income and expenses to maintain financial integrity.
- Developed and monitored budgets for events and projects, optimizing resource allocation to support council initiatives effectively.

Activities

Digital Literacy Webinar Host

NU, Laguna
June 2024

Hosted the webinar, which focused on upskilling participants for the digital age. Topics included data privacy, netiquette, phishing awareness, and cyberbullying, emphasizing responsible digital citizenship and online security.

Global Youth Summit Attendee

SM MOA, Pasay
August 2023

Represented the university's Council of Leaders at the Global Youth Summit, an event that gathered student leaders nationwide to discuss leadership, collaboration, and innovative solutions for global challenges.

UBP XCELLERATOR of UnionBank Philippines Attendee

UnionBank Plaza, Pasig
March 2023

Represented National University-Laguna. Participated in sessions on Blockchain 101, Information Security, Data Science & AI, APIs, Data Privacy, and Design Thinking.

Skills

- Project Management & Strategic Planning
- Process Improvement & Data Analysis
- IT Asset Management & Documentation
- Team Leadership & Collaboration