

## EDUCATION

### B.S. Computer Science, specializing in Data Science

2022 - Present

*University of Santo Tomas*

- **Achievements/Awards:** Consistent Dean's List and UST Benavides Outstanding Achievement Award 2025
- **Organizations:** President of AWS Learning Club UST, AWS Cloud Clubs Philippines, City Lead of Sip & Scale Manila, ex-Auditor UST Computer Science Society, ex-Auditor for ICS Student Council, and ex-QCSP Operations and Analytics QE Fellow
- **Languages/Technologies:** Python, Java, Go, JavaScript, TypeScript, SQL, RDBs, AWS, GCP, Azure
- **Relevant Coursework:** AWS re/Start PHMAN25 Scholar and Graduate (2024)
- **Certifications:** AWS CLF-C02

## PROFESSIONAL EXPERIENCE

### Founder & Chief Executive Officer

Jun 2025 - Present

*Stacflow | Philippines*

- Leading a high-impact AI-driven automation startup focused on enterprise software and business process optimization for micro, small, and medium enterprises (MSMEs), spearheading product strategy, technical architecture, and go-to-market initiatives.
- Developed AI-powered microplastic detection models, enabling environmental sustainability initiatives and positioning the company at the intersection of AI and climate tech
- Engineered custom ERP and workflow automation systems that reduced operational inefficiencies by up to 50% for enterprise clients and Architected scalable cloud infrastructure supporting a multi-tenant SaaS platform.
- Leading ArgiTech product development with strategic partners, building IoT solutions for agricultural sap collection and farmer productivity enhancement

### Data Analyst Intern

Jun 2025 - Present

*Adidas Philippines | BGC, Taguig*

- Designed and deployed interactive dashboards for sales performance tracking across 20+ regional channels in the Philippines, improving visibility and decision-making for leadership.
- Built a custom task and resource management application for Key Account Managers (KAMs), streamlining workflow efficiency and reducing manual reporting by 50%.
- Engineered scalable ETL pipelines using Microsoft Power BI, Azure Data Factory, and SQL, automating data ingestion and reducing processing time by 70%.

### Artificial Intelligence (AI) Intern

Feb 2025 - Oct 2025

*Alerto PH | Philippines*

- Developed geospatial AI models integrating agentic AI workflows to optimize emergency response strategies, enabling faster and more accurate disaster response coordination
- Engineered efficient, event-driven architectures and production-grade API endpoints, ensuring high reliability and scalability for critical emergency response systems
- Fine-tuned Gemini models for advanced NLP processing supporting local Philippine dialects with code-switching, improving model accuracy by 25% on dialect-specific data
- Implemented rigorous testing protocols for model deployment, achieving 98% uptime on production systems serving real-time emergency coordination

### Data Science and AI Intern

Jun 2025 - Aug 2025

*Bank of the Philippine Islands (BPI) | Buendia, Makati*

- Developed privacy-preserving AI solutions and data governance tools for one of the Philippines' largest financial institutions, supporting enterprise-wide compliance initiatives that designed and deployed production-ready Personally Identifiable Information (PII) detection systems, achieving 97% accuracy on both tabular and unstructured data formats.
- Developed data validation and quality tools with AI assistance for the Central Enterprise Data and Analytics (CEDA) team, improving data governance standards across 50+ data sources
- Collaborated with Data Science and Enterprise Data Management teams to establish automated data quality checks, reducing manual validation efforts by 60%

### Data Management Intern (Sales and Operations)

Jun 2024 - Aug 2024

*RealMe Philippines | Taguig, BGC*

- Validated sales data from Regional Sales Officers (RSOs) using Excel and K3 by BroadPeak, maintaining a 95% accuracy rate during periods of high transaction volume.
- Managed and processed 90% of total credit card credit memos across the Philippines, handling complex reconciliation with zero compliance errors.
- Automated recurring data validation tasks, reducing manual processing time by 40% and enabling the team to focus on strategic initiatives.

## PROJECTS

### ReBiCoM: Recursive Bias Correction Model for MSEs' Credit Worthiness

Dec 2024

Machine Learning Model | Python, Pandas, Scikit-Learn, and Seaborn

- An integrated approach leveraging Subgroup Threshold Optimization (STO) and Lorenz Curve Analysis (LCA) to enhance the accuracy and fairness of credit assessments for MSEs.
- Uses classical machine learning algorithms with breakthrough algorithms to provide a fairer way of creditworthiness assessment on key features in given data sets.
- ReBiCoM presented a 92% reduction in gender discrimination and a 98% decrease in subgroups defined by an unsupervised machine learning technique.

### SOLAR: Supply Organization for Logistics, Analysis, and Reports

April 2024

Full Stack Web Application | Next.js, Prisma/PostgreSQL, AWS, Vercel

- Architected and developed a cloud-based SaaS platform integrating POS (Point of Sale) and IMS (Inventory Management System) functionalities for enterprise logistics operations with a responsive, cross-device, performant application
- Integrated real-time logistics tracking, inventory analysis, transaction management, and comprehensive reporting features enabling data-driven decision-making
- Designed scalable database architecture supporting concurrent operations across multiple locations with automated backup and disaster recovery
- Reduced manual reporting time by 65% through automated reporting dashboards and real-time analytics

## COMPETITIONS & HACKATHONS

### International Competitions

- **Regional Finalist**, ASEAN Data Science Explorers 2025
- **Top 22**, SAS Curiosity Cup 2025
- **Participant**, AI Singapore National AI Student Challenge 2025

### National Level Competitions

- **1st Place (Health and Well-Being Track)**, NID-FLIP HABI 2025
- **1st Place**, Hooked Unitour Hackathon 2024
- **1st Place**, ICP iThink Hackathon 2024
- **2nd Place**, BPI D.A.T.A.Wave Hackathon 2024 - Machine Learning Track
- **2nd Place**, Kaya Founder's Hack the Future 2024
- **2nd Place**, DLSU's Hackercup 2024
- **2nd Place**, FEU Tech ACM Codequest
- **Top 3 Overall & Track Representative**, UNLEASH Philippines 2025 - Sustainable Cities And Communities
- **Bronze Awardee**, StartUp QC
- **4th Place**, ASES Bootcamp for Career Design 2024
- **Top 4**, Mapua's NextGen Start-Up Challenge 2024
- **Top 15**, DICT Philippine Start-Up Challenge 9 - NCR