

**Josh Kenn Viray**

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**Education**

**UNIVERSITY OF SANTO TOMAS**

August 2022 - Present

*BS Computer Science, specializing in Data Science*

AWS Re/Start Scholar Graduate

BPI DATA Wave Hackathon - Machine Learning Track Delegate

Kaya Founders' Hack the Future: Technology for a Better World - 1st Runner-Up

DICT Philippine Startup Challenge 9 - Top 15

ECHELON Philippines 2024 - Delegate

iThink Hackathon: Pump Up the Jam - Champion

Hooked Unitour Hackathon Philippines - Champion

DLSU Hackercup 2024 - 1st Runner Up

FEU Tech ACM Codequest - 2nd Place and Best Poster Recipient

ASES Bootcamp for Career Design 2024 - 2nd Runner Up

Mapua NextGen Start-Up Challenge 2024 - Top 4

ECHELON Philippines 2024 - Delegate

UPM's sPRINT ("run") 2024 - Judge

Class President (1st Term and 2nd Term of AY 2022-2023)

**UNIVERSITY OF SANTO TOMAS**

August 2020 - June 2022

*Senior High School*

Relevant Coursework: Graduated with Honors

Class President (1st and 2nd term of AY 2020-2021)

**Olivarez College**

June 2018 - May 2020

*Junior High School*

Relevant Coursework: Graduated with High Academic Distinctions,

Hon. Cong. Eric L. Olivarez Award of Academic Excellence Recipient

Philippine Normal University (PNU) Regional Interschool Science

And Mathematics Olympiad (PRISMO) 2019 - Top 30

PSAP-ALAM Science Investigatory Project 1st Runner-Up

PSAP-ALAM Best Presenter

Class President (AY 2019-2020)

**Faith Cristian School**

June 2016 - May 2017

*Junior High School*

Relevant Coursework: MathScore Competition - Bronze Medalist

## Formal Work Experience

### ClashBytes by UPMKR

September 2024 - Present

Founder and Chief Executive Officer

- Led the development of the ClashBytes application, created during the iThink and Hooked Unitour Hackathons.
- Drives the application for grants and fosters partnerships with community organizations to support the platform's growth.
- Currently leading the incubation program at the Tomasino Innovation Center (TIC) at the University of Santo Tomas, where we are continuously advancing the platform.

### Realme - BGC, Taguig

June 2024 - August 2024

Data Management Intern (Sales and Operations)

- **Efficiently validated sales data from Regional Sales Officers (RSO)** using Excel and K3 by BroadPeak to query normalized data and downstream the data for reference.
- Handled regional sales and managed **90% of the total credit card credit memos in the Philippines**, with a 95% accuracy rate during a fast turnover period.
- Used the ETL (Extract, Transform, Load) processes, ensuring accurate and efficient data handling, then cross-referenced localized regional data with centralized datasets to maintain data integrity and consistency.
- I employed data scripting and query languages to extract necessary fields for thorough transaction validation, optimizing data validation processes, and migrating validated regional data to the central database.

### Perfumery LLC. - New Jersey, U.S.A.

December 2023 - March 2024

Web Development Intern

- **Managed the maintenance and debugging** of live product websites featuring a catalog of over 200+ products.
- My role involved front-end development using Tailwind CSS and back-end work using PHP, SQL, and JavaScript.
- Conducted back-end development with PHP, SQL, and JavaScript, ensuring robust and efficient data management.
- Also created and presented mockups and wireframes for future site renovation designs via Figma for future site renovations.

## Projects

### HackAttack! – A Gamified Learning Platform

July 2024

Full Stack Web Application | ERN Stack with JSON Server

- **Developed a full-stack web application** incorporating the ERN (Express.JS, React.JS, Node.JS) stack to create an interactive learning platform for coding challenges.
- **Designed and implemented a single-player mode** featuring an integrated IDE built with React.JS and CodeMirror, allowing users to write and test code in real time.
- **Developed a multiplayer interface** utilizing RESTful APIs for JSON read and write operations, enabling collaborative coding experiences.
- **Architected and managed backend infrastructure** with Express.JS and Node.JS and utilized JSON Server for effective data storage and management.

- Won 2nd Prize at DLSU's Hackercup 2024, developed in only 24 hours.

### **Student Learning Management Web Application for ActiveLearningPh**

April 2024

Data Management Application | MySQL and JavaDerby

- **Developed a comprehensive Student Learning Management Web Application** to enhance the educational experience for students and educators in the Philippines.
- **Designed and implemented features for managing courses**, tracking student progress, and facilitating communication between students and teachers, including planning, execution, and delivery, ensuring alignment with educational goals and user needs.
- **Developed the front-end interface** using HTML, CSS, and JavaScript to create an intuitive and user-friendly experience for students and educators.
- **Implemented the back-end infrastructure** with Java, JavaServer Pages (JSP), Java Database Connectivity (JDBC), and MySQL for efficient data management and application functionality.

### **Car Rental Web Application**

December 2024

Java, JavaServerPages, JavaDB, and SQL

- Developed a comprehensive car rental mock web application tailored for the Philippine market, focusing on user experience and functionality across multiple devices and screen sizes.
- **Implemented a secure user authentication system**, including user login and registration features, to ensure safe access and management.
- **Designed and developed car listing and booking functionalities**, allowing users to browse available vehicles, view detailed descriptions, and complete rental bookings.
- **Developed booking management features** for users to view, modify, or cancel their reservations as needed.

## **Experience & Leadership**

### **Amazon Web Services (AWS) Cloud Clubs Philippines**

August 2024 - Present

Internal Relations Manager

- overseeing the progress and accomplishments of clubs and chapters across the nation, ensuring they have the resources, guidance, and support needed.
- Regular check-ins and assessments help monitor each club's alignment with organizational goals, track performance, and celebrate achievements.
- Creating and managing programs that promote a positive workplace culture, boost morale, and align with organizational goals and values.
- Ensuring that all internal and external programs lead by clubs and communications reflect the organization's values, mission, and vision.

### **Amazon Web Services (AWS) Learning Club - España**

August 2024 - Present

Founder and Lead

- Founded the organization as the first cloud technology-driven organization for the students of the University of Santo Tomas.
- Leads the organization in developing projects that expose students to the wide array of use cases of cloud technologies, specifically AWS products and services.

- Currently, the organization is under application development to be recognized by the College of Information and Computing Sciences.
- Spearheaded the collaboration between organizations and partners in order to give more opportunities for growth through hackathons, seminars, and talks.

### **UST Computer Science Society**

July 2024 - Present

#### Auditor

- Oversees the council's fund usage and approves all purchases, including liquidation and expense reports.
- Collaborates with partners to create more opportunities for the council.
- Serves as the officer-in-charge for the council's Technology Development Committee, Finance Committee, and External Affairs Committee.
- Also acts as the Interim Internal Vice President of the organization.

### **UST ICS Student Council**

May 2023 - May 2024

#### Auditor

- Supervises the utilization of funds by the council and foresees all purchases by the council (liquidation and expense reports).
- Works with partners to help provide the council with more opportunities
- Officer-in-charge for the council's Logistics, Academics Affairs, Operations, and Technology Development Committee.

### **UST Thomasian Gaming Society**

Jan 2023 - June 2023

#### Corporate Secretary

- Responsible for all papers that come in and out of the organization while taking care of all of the organization's documentation
- Handled the encoding of the organization's events through the e-ReSERVe platform.

### **UST Computer Science Society**

October 2022 - June 2023

#### Executive Associate to the Auditor

- Responsible for helping the Auditor manage the Academics Committee and Logistics Committee.
- Provided resources in the form of reviewers for the academics committee
- Planned and executed these events for the computer science course and the society's members.

### **UST Thomasian Gaming Society**

October 2022 - December 2022

#### Executive Coordinator to the Corporate Secretary

- In charge of assisting the corporate secretary with paperwork and meetings
- Coordinated with partner organizations for sponsorships and partnerships
- Keeping track of all of the organization's documents that come in and out of the secretariat committee.

**UST TOMCAT**

October 2022 - June 2023

Executive Associate to the Technical head

- Responsible for operating technical equipment such as lights, cameras, and audio devices while also being part of the streaming team for the event at hand.

**UST Central Student Council**

August 2022 - May 2023

Executive Staff of the Network Promotion Committee

- Tasked as the website manager and helped in the paper processing process of the development of the website as deemed necessary by the university.
- Responsible for the deployment of the council's website, which aims to help provide students with easier access to the services offered to the student body.

**UST Central Student Council**

August 2021 - May 2022

Executive Staff of the Media Coverages Committee

- Responsible for recording, editing, and conceptualizing graphic designs and creating motion graphics for publicity materials to be used by the council.

**UST Tiger SHOOT**

May 2021 - May 2022

Technical Head

- Assigned for orchestrating live events for the senior high school community remotely and coordinated the technical team to suit the needs of each event best that the organization handled
- Oversaw the preparation of the technical team's pre-production and ensured the quality of events.

**UST STEM Society**

July 2020 - May 2021

Executive Committee Co-Director

- Organized activities for the organization and the STEM strand while coordinating with other committees to execute the events spearheaded by the executive committee.

**UST Future Scientists Club**

August 2020 - May 2021

Secretariat Head of Externals

- Supervised and handled partnerships with organizations outside the university that are in line with the organization and its future projects.
- Provided consistent updates on partnership agreements and paperwork to the organization's executive board.

**The Olivarian Oracle**

July 2018 - March 2019

Editor-in-Chief

- Led the design and publication of the school newspaper and the creation of articles about events inside and outside the campus.
- News writer for the publication tackling academic affairs and future projects the IBED department had.
- Coordinated with the students, departments, faculty, staff, and admins for insight into changes done to enhance the learning experience for students and how to create a better environment for students.

## **Volunteer Work**

### **Parish Pastoral Council for Responsible Voting**

May 2022

Manpower for the 2022 elections - election returns.

### **Tanging Yaman Foundation**

December 2021

Manpower for the foundation's donation drive for super typhoon Odette.

## **Events Handled and Spreadheaded**

Philippine Startup Week; Shaping Future Founds: How Schools Propel Innovation and Entrepreneurial Growth - Speaker

UST Vuja De Tech Talks 2024 - Project Head

UST CSS OlympiCSS 2024 - Project Head

AWSomeness in España: Cloud Community Showcase - Project Lead and Speaker

TechBayanihan 2024: Copilot Para Sa Bayan - Program Lead

UST CSC e-SINAG 2024 - Moderator

UST CICS TECHNOLYMPICS: The ICSportfest - Project Head

UST CTHM AI Responsibility Forum - Panel Reactor

HSLU's Information Technology Digitalization And Sustainability Careers - Office-in-Charge

UST ICS Student Council CentARAlized - Project Head

UST University Expo, CICS Unit - Officer-in-Charge and Logistics Head

UST CICS x Computer Science Teachers Association (CSTA) Philippines: Reigniting the Passion for Computer Science Education - Marshall

UST Welcome Walk 2023: Into The CICSVerse - Logistics and Mobilization Head

UST CSC KONNECT: League of PROs 2023 webinar - Host

GoPro: Build Your Career in Esports Webinar - Project Head and Host

UST Tunog Tomasino 2022 - Camera Operator

UST Junior Philippine Pharmacists' Association Usapang Pharma - Playback

UST CICS C.A.R.E: Community Allies for Responsible E-citizens Webinar - Project head

UST Freshmen Walk 2022 - Volunteer Staff

UST SHS Afterglow: Bound for Magic! - Technical Head

UST TGS ICON 2022: Creator's Spotlight - Technical Head

UST TGSAllegro: Live into the Melodic Serenades - Technical Head

UST TGS Perspicio: Miting De Avance 2022 - Technical Head

UST CSC SINAG 2021 - Moderator and Game Master

UST CSC BREAKTHROUGH: Understanding Different Minds - Project Head

UST SHS ALAB 2021: Braving the Cyberworld - Technical Head

UST SHS ALAB 2020 - Correspondent