

## Raven Luke E. Quinto

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### Technical Skills and Expertise

**Programming Languages:** JavaScript, Typescript, Python, R, SQL, C# (familiarity)

**Web and Mobile Development:** React, React Native, Expo, ASP.NET (familiarity)

**Database and Backend:** Supabase (PostgreSQL)

**Cloud and DevOps:** AWS (S3, Cloudfront, Lambda, Route 53), Git, Vercel, Docker

### Education

#### POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

Sta. Mesa, Manila City

*BS in Information Technology* – Consistent President's Lister from 1<sup>st</sup> to 3<sup>rd</sup> (Cum. GWA: 1.30)

2022 – Present

- DOST Scholar Undergraduate Grantee (2022 - 2026) – RA 7687
- AWS Cloud Club PUP (AWSCC): Member (2024-2025) – Part of Data Science Department for Skill Builder
- Google Developer Students Club (GDSC):
  - Member (2024-2025) – Part of Community Relations and Data/ML Team
  - DataCamp Scholar (2025)
- IBITS: Member (2022 – 2025)
- Cisco NetConnect PUP (CNCP): Member (2024 – 2025) – Part of Community Partnership Team in Relations Dept.
- PUP Association of DOST Scholars (PUPADS): Member (2022 – Present)

#### PAMANTASAN NG LUNGSOD NG VALENZUELA

Valenzuela City

*Senior High School, STEM Strand* - Graduated with High Honor

2020 - 2022

### Projects and Experiences

#### RESBAC Capstone Project | *Full Stack and Database Developer, and Project Manager*

- Conceptualized and developed a multi-platform disaster response system enabling barangays to map vulnerable populations and prioritize rescue operations in high-risk areas, providing support for data-driven decision making for barangay rescuers.
- Designed and implemented Supabase (PostgreSQL) backend and database architecture supporting citizen profiles, and vulnerability information, and barangay admin rescue data.
- Implemented frontend data pipelines for fetching, cleaning, and validating datasets used by the interface and received by the machine learning APIs
- Deployed the website using AWS S3, Cloudfront, and Route 53 and built the mobile application using React Native assembly
- Built and deployed machine learning servers (KMeans Clustering and XGBoost) using AWS Lambda and Docker for containerization
- Led weekly sprint meetings, managed task allocations, and ensured timely accomplishments with consistent updates and team communication, applying Agile principles in practice.

#### PUPSLP Theater Ticketing System | *Full Stack and Database Developer, and Project Manager*

- Designed and implemented the backend and database architecture in Supabase for event and audience ticketing management.
- Designed a dynamic form builder (behaves similarly to Google Forms), allowing dynamic ticketing form creation for any event.
- Created frontend skeletons to establish core system workflows prior to UI/UX styling.
- Led weekly sprint meetings, task allocations, and revision review of accomplished features, applying Agile principles in practice.

#### Game Bundles Market Basket Analysis Project | *Data Analyst, Machine Learning*

- Conducted Market Basket Analysis using the Apriori algorithm on survey data collected through purposive sampling among 2nd-year BSIT students.
- Performed data cleaning, validation, and visualization to identify commonly paired games for potential marketing game bundles.

#### Framingham Heart Study Dataset Research | *Data Analyst, Data Visualization*

- Led the data preparation, transformation, and standardization to improve data quality and analysis readiness
- Developed meaningful data analysis through graphs for effective data visualization and interpretation

#### CNCP Routing Success - Build strategic connections & enhance teamwork Webinar | *Event Host*

- Hosted an event for CNCP Relations Department's online webinar about building strategic connections and enhancing teamwork through insightful discussions.

### Competitions

World University Ranking for Innovation (WURI) Research Competition | *Participant*

December 2025

RIST 5<sup>th</sup> PUP Research Pitching Competition | *Participant*

November 2025

### Seminars and Workshops

Attended Trainocate's GCP Fundamentals: Core Infrastructure Class

December 2025

Attended AWSCC PUP's ReactJS 101 Workshop

June 2025