John Paul Viado

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EDUCATION

Polytechnic University of the Philippines - Manila   **Oct 2022 - Present**
Bachelor of Science in Computer Science (BSCS) - *3rd Year*

Holy Spirit National High School   **Jul 2015 - Apr 2022**
High School Diploma - *High Honors*

PROJECTS

Path Pundit
Route Optimization App for Couriers
- implemented a secure user authentication system with role-based access control, enhancing data security and ensuring only authorized couriers and riders can access the platform.
- Developed an advanced route optimization algorithm leveraging TSP and distance matrices, reducing travel time and improving delivery efficiency by dynamically computing the fastest routes, visualized in real-time using React and Leaflet.

ULaF
University Lost and Found System
- Developed an intuitive platform for reporting, tracking, and recovering lost items, streamlining campus-wide lost and found operations, and improving efficiency for students and staff.
- Implemented an intelligent matching algorithm to automatically pair lost and found items, reducing recovery times, minimizing manual effort, and enhancing user experience.

HideSpot
Anonymous Clubhouse for Members
- Built an authentication and session management system, ensuring secure, persistent user access while protecting member identities for privacy-focused interactions.
- Designed a membership system with secret passcodes, fostering engagement by enabling exclusive content access, while a scalable database schema efficiently managed user memberships and anonymous posts.

Plastic Age
Plastic Pollution Awareness App
- Developed an interactive web application to raise awareness about plastic pollution, utilizing React and TypeScript.
- Implemented language toggle functionality to support English and Tagalog, improving accessibility for a broader audience.

SKILLS

Languages/Frameworks: HTML, CSS, Javascript, Typescript, React, Bootstrap, TailwindCSS, Node.js, Express.js, Java, PHP, Laravel, MySQL, PostgreSQL
Tools: Git, GitHub, Jest, Webpack, Vite, ESLint, Prettier, Postman, Figma
Development/Concepts: Unit Testing, REST APIs, Responsive Design, Authentication, OOP, Data Structures, Frontend, Backend, Full-Stack

EXTRACURRICULAR

PUP The Programmers' Guild (PUP TPG)   **July 2023 - Dec 2023**
Frontend Contributor
- Developed and integrated the Info Section and the Hero Section for the official organization website leveraging React, Next.js, and TypeScript improving the content structure and accessibility for prospective members.

PUP Association of Students for Computer Intelligence Integration (PUP ASCII)   **Nov 2022 - Jun 2023**
Subcommittee Member for Research & Extension
- Developed event materials and published bite-sized programming tips and tricks on the official PUP ASCII Facebook page to engage members and promote coding knowledge.