ZEUS DAVID ELDERFIELD

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[LinkedIn](#) | [Github](#) | [Portfolio](#)

PROFILE

Software Engineer passionate about building user-centered and efficient software applications. Skilled in full-stack development, with a growing interest in machine learning and artificial intelligence. Familiar with agile methodologies and known for a fast-learning curve, adaptability, and problem-solving mindset. Committed to delivering high-quality, scalable solutions that enhance user experience and drive business success.

TECHNICAL PROFICIENCIES

Data Science & Machine Learning	Python, Jupyter, NumPy, Pandas, Matplotlib, Scikit-Learn, Tensorflow, Keras, PyTorch
Frontend Development	Typescript, React, NextJS, TailwindCSS
Backend Development	NodeJS, Express, ASP.NET, MySQL, Postgres, Firebase, Supabase
Other Languages	C, C++, Java, C#, PHP
Other Technologies	Git, Google Workspace, Microsoft 365

EDUCATION

Bachelor of Science in Computer Science   Aug 2023
University of San Carlos *[Link](#)*   *Cebu City, Philippines*
- Dean's List (GWA: 1.43)

EXPERIENCE

Frontend Developer   Jan 2025
USC Computer and Information Sciences Council - Project Hermes *[Link](#)*
- Developed the front-end for a queue system website used for enrollment concerns among DCISM students, ensuring a smooth and intuitive user experience.
- Built interactive queue card components to display real-time queue status and student position in the queue.
- Implemented a secure and efficient logout system to enhance user session management.
- Integrated data fetching with Axios, optimizing API communication for real-time updates.
- Utilized React (TypeScript) and Mantine UI components to create a responsive and accessible interface.
- Conducted rigorous quality testing and assurance, identifying and resolving user experience issues.
- Collaborated with the development team to align front-end functionality with project requirements.

PROJECTS

Twerkout (React, Typescript, Firebase, TailwindCSS) *[Link](#)*   Aug 2024
A fun, mobile-based workout tracking web app
- Developed a playful and engaging fitness tracker with a fun and aesthetic user interface inspired.
- Enables users to log and track their workout progress in an intuitive and enjoyable way.
- Optimized for mobile devices, ensuring accessibility and ease of use on the go.

Vintage Royale Management System (React, Typescript, Supabase, TailwindCSS) *[Link](#)*   Oct 2024
A mobile-based product management system for Vintage Royale
- Implemented order placement and tracking features to streamline business operations.
- Deployed on Vercel for seamless accessibility and performance.

Basher (Rust, React, Typescript, Axios) *[Link](#)*   Jun 2024
A forum-based web application where all users are anonymous.
  - Developed a forum-based web application where all users remain anonymous, ensuring privacy-focused discussions.
  - Integrated Axios for efficient data fetching, enabling seamless communication between the frontend and backend.
  - Focused on anonymity and security features, ensuring user identities remain undisclosed.

Foamfusion (PHP, MySQL, TailwindCSS) *[Link](#)*   Jun 2024
A product management system for Foamfusion Soaps
  - Developed a product management system for Foamfusion Soaps, handling both client-side and admin-side functionalities.
  - Implemented an intuitive client-side interface, allowing customers to browse and purchase products seamlessly.
  - Developed an admin dashboard for managing inventory, orders, and customer interactions efficiently.

Lib Me Alone (Java Swing, ASP.NET, React, Typescript, MySQL) *[Link](#)*   Dec 2024
A Library Management System available for desktop & web apps
  - Developed a cross-platform Library Management System, available as both a desktop and web application.
  - Implemented core library features, including book cataloging, user management, and loan tracking.
  - Optimized database interactions to ensure fast and reliable data retrieval.

Schedaddle (React, Typescript) *[Link](#)*   Jan 2025
A class schedule generator & visualizer
  - Developed a class schedule generator and visualizer using React and TypeScript for an intuitive and responsive UI.
  - Implemented a Depth-First Search algorithm to efficiently find all possible class schedules based on offered schedules.

PhilNITS Mock Exam (NextJS, Typescript, TailwindCSS, Github Workflows) *[Link](#)*   Feb 2025
An online PhilNITS FE AM Mock Exam
  - Developed an online reviewer website for the PhilNITS FE AM Mock Exam using Next.js, TypeScript, and TailwindCSS to create a user-friendly and responsive platform.
  - Utilized prompt engineering to format exam data into structured JSON files, ensuring efficient data handling and presentation.

Datacamp Projects (Python, SQL, Scikit-Learn, Pandas) *[Link](#)*   Jan 2025
A compilation of all my projects from Datacamp Scholarship
  - Compiled a collection of projects completed as part of the Datacamp Scholarship, showcasing skills in Python, SQL, Scikit-Learn, and Pandas.
  - Built machine learning models using Scikit-Learn to make data-driven predictions and insights.

House Price Prediction (Python, Scikit-Learn, Pandas) *[Link](#)*   Feb 2025
A house price prediction utilizing only Linear Regression
  - Developed a house price prediction model using Linear Regression to estimate property values based on input features.
  - Implemented a simple, interpretable model to understand how various features influence house prices.

CERTIFICATES

AI Fundamentals *[Link](#)*   Dec 2024
Datacamp
  - Related Skills: Generative AI, Prompt Engineering, AI Ethics

Machine Learning Fundamentals in Python *Link*   Jan 2025

Datacamp
  ● Related Skills: Supervised Learning, Unsupervised Learning, Deep Learning, Reinforcement Learning

Supervised Machine Learning: Regression and Classification *Link*   Jan 2025

DeepLearning.AI, Stanford Online
  ● Related Skills: Regression, Classification

HONORS AND AWARDS

6th Place CodeChum National Programming Challenge 2024 *Link*   Dec 2024

CodeChum
  ● Ranked 6th out of 64 schools across the country in the CodeChum National Programming Challenge 2024, representing the University of San Carlos.
  ● Demonstrated strong problem-solving skills in a competitive environment, tackling complex algorithmic challenges.