

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.

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| Basher (Rust, React, Typescript, Axios) Link <i>A forum-based web application where all users are anonymous.</i> <ul style="list-style-type: none"> 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. | Jun 2024 |
| Foamfusion (PHP, MySQL, TailwindCSS) Link <i>A product management system for Foamfusion Soaps</i> <ul style="list-style-type: none"> 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. | Jun 2024 |
| Lib Me Alone (Java Swing, ASP.NET, React, Typescript, MySQL) Link <i>A Library Management System available for desktop & web apps</i> <ul style="list-style-type: none"> 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. | Dec 2024 |
| Schedaddle (React, Typescript) Link <i>A class schedule generator & visualizer</i> <ul style="list-style-type: none"> 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. | Jan 2025 |
| PhilNITS Mock Exam (NextJS, Typescript, TailwindCSS, Github Workflows) Link <i>An online PhilNITS FE AM Mock Exam</i> <ul style="list-style-type: none"> 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. | Feb 2025 |
| Datacamp Projects (Python, SQL, Scikit-Learn, Pandas) Link <i>A compilation of all my projects from Datacamp Scholarship</i> <ul style="list-style-type: none"> 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. | Jan 2025 |
| House Price Prediction (Python, Scikit-Learn, Pandas) Link <i>A house price prediction utilizing only Linear Regression</i> <ul style="list-style-type: none"> 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. | Feb 2025 |

CERTIFICATES

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| Software Engineer Link <i>HackerRank</i> <ul style="list-style-type: none">Related Skills: Software Engineering, Problem Solving, Database Management, REST API | Feb 2025 |
| AI Fundamentals Link <i>Datacamp</i> <ul style="list-style-type: none">Related Skills: Generative AI, Prompt Engineering, AI Ethics | Dec 2024 |
| Data Literacy Link <i>Datacamp</i> <ul style="list-style-type: none">Related Skills: Analytics Fundamentals, Data Visualization, Data Storytelling | Feb 2025 |
| Machine Learning Fundamentals in Python Link <i>Datacamp</i> <ul style="list-style-type: none">Related Skills: Supervised Learning, Unsupervised Learning, Deep Learning, Reinforcement Learning | Jan 2025 |
| Supervised Machine Learning: Regression and Classification Link <i>DeepLearning.AI, Stanford Online</i> <ul style="list-style-type: none">Related Skills: Regression, Classification | Jan 2025 |

HONORS AND AWARDS

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| 6th Place CodeChum National Programming Challenge 2024 Link <i>CodeChum</i> <ul style="list-style-type: none">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. | Dec 2024 |
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