JACOB BALANE

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TECHNICAL SKILLS

Programming Languages: C (advanced), JavaScript (advanced), Python (intermediate), Java (intermediate)
Web Development: HTML5, CSS3, Sass, JavaScript, React, NextJS, TypeScript, Bootstrap, Tailwind CSS, REST APIs, PHP, Laravel, NodeJS
Databases and Tools: MySQL, Supabase, Prisma, Git, Google Colab
Design Tools: Figma

WORK EXPERIENCE

UI/UX Designer and Full Stack Developer, Freelance   October 2024 - Present
- Developed visually appealing, user-centric designs for a business management system for a printing business, as well as websites for a food manufacturing client and a fintech business.
- Developed responsive, interactive modules, prioritizing smooth user experience and accessibility.
- Worked closely with clients to align on requirements, provide regular updates, and refine solutions based on feedback.
- Used: Figma, NextJS, Typescript, NodeJS, Prisma, Supabase

UI/UX Designer, Freelance   October 2024 - November 2024
- Designed a visually engaging digital keepsake documenting the client's memorable concert experience.
- Worked closely with the client to understand requirements, provide updates, and ensure design solutions aligned with their needs.
- Used: Figma

Software Developer Intern, Symph   October 2022 - July 2023
- Implemented new features and functionalities for a web application that serves as a vital bridge, connecting young women and men with educational opportunities through showcasing their athletic talent.
- Collaborated with UX, developers, and project manager to determine project requirements.
- Used: NextJS, Typescript, Tailwind, Firebase

PROJECTS

BloodPlus
- Developed a web application that connects blood donors with those in need, enabling swift and life-saving exchanges.
- Coordinated with blood banks to ensure compliance with the requirements for donating or accessing blood supplies.
- Oversaw the frontend development efforts.
- Used: Laravel, MySQL

GEMS
- Engineered an innovative attendance checker seamlessly integrated with an employee roster, providing efficient tracking of workforce presence while simultaneously serving as a comprehensive personnel management tool.
- Directed the frontend development process.
- Used: ReactJS, Bootstrap, Laravel, MySQL

Tick
- Developed a web application merging to-do lists with gamification, enabling users to earn points for completing tasks and redeem them for theme shop customization.
- Spearheaded the design and development of the frontend.
- Used: Bootstrap, PHP, Laravel, MySQL

Depression Detection in Tweets Using Ensemble Neural Networks
- Developed a machine learning pipeline for depression detection using Twitter and Kaggle data.
- Built individual models with Convolutional Neural Network (CNN), Recurrent Neural Network (RNN), and Long Short-Term Memory (LSTM) algorithms, and combined their predictions into a stacking ensemble model using XGBoost as the meta-learner.
- Used: Python, Google Colab

TaskVenator
- Implemented new frontend design, features, and functionalities on a dynamic gamified productivity application.
- Used: ReactJS, Bootstrap, Laravel, MySQL

Personal Portfolio Website
- Designed and developed a personal portfolio website to showcase my skills, projects, and experience as a software developer.
- Focused on creating a clean, responsive design that highlights my expertise in web application development.
- Used: TypeScript, Tailwind, NextJS

React Cebu Website v2
- Rebuilt the community website using Next.js as an open-source project to enhance performance, scalability, and user experience.
- Implemented a modernized UI with improved navigation and responsiveness, ensuring accessibility across all devices.
- Used: NextJS, Tailwind, REST API

EDUCATION   August 2019 - February 2025

University of San Carlos - Talamban Campus
Bachelor of Science in Computer Science
Department of Science and Technology Scholar