JEROME ESGUERRA BERCERO

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EDUCATION

Technological Institute of the Philippines (2020-2024)   **Quezon City**

Bachelor of Science in Computer Science

Technological Institute of the Philippines (2018-2020)   **Quezon City**

Science, Technology, Engineering and Mathematics

WORK EXPERIENCE

Cloudwalk Digital Inc.   **Quezon City**

Web Developer Intern   Feb 2024 - May 2024

- Worked in a small software company, undertaking various responsibilities such as developing the frontend part of the web application using HTML, TailwindCSS, JavaScript, React, and Next.js. And utilize UI libraries for seamless and interactive User Interface such as Ant Design and Material UI.
- Developed the backend part of the system using TypeScript such as creating the API Routes for frontend and backend of the system including integrating web services like NextAuth for authentication and authorization features
- Implemented the ReduxToolkit JS Library for state management across the application.
- Hosted the project on Vercel and utilized PostgreSQL and Prisma for database creation and management.
- Participated in stand-up meetings with project managers, UI/UX designers, and fellow software developers to ensure smooth project progression.

DESIGN PROJECT COMPLETED/ RESEARCH

1. **Nike Minimalist e-Commerce**   **Final Project (S.Y 2022-2023)**
   - Developed the backend system using Python, Flask, and managed the database using MySQL.
   - Used HTML, CSS, React, JavaScript for the frontend part of the web application, and used the React-Router for navigation and dynamic routing.

2. **CWD Randomizer**   **Internship Project (Feb 2024 - May 2024)**
   - Created the frontend part using HTML, TailwindCSS, React, Ant Design, and NextJS.
   - Developed the backend part of the system using TypeScript, Redux Toolkit.
   - Integrated the authentication and authorization feature using NextAuth
   - Hosted the project on Vercel and managed the database using PostgreSQL and Prisma.

3. **Filipino Grammar Emendation Using Conditional Random Fields**   **Thesis Project (S.Y 2023 - 2024)**
   Part-of-Speech Tagging and Bidirectional Encoder Representations from Transformers
   - Collaborated for creating the backend part using Python, FastAPI.
   - Developed the mobile application using React Native and implemented Speech-to-Text and Text-to-Speech features.

KNOWLEDGE, SKILLS AND ATTITUDE

Web Development:
- **Frontend:** HTML, TailwindCSS, JavaScript, React, NextJS,
- **Backend:** Python, Flask, and RESTful API

Database: PostgreSQL on Vercel, MySQL, and Prisma.

Other: Git, Github, Redux Toolkit, React-Router, Ant Design, Postman, Material UI, Testing Framework (Jest), Redux DevTools

SEMINARS AND TRAININGS ATTENDED

Harvard University: CS50's Introduction to Computer Science edX.org Free Online Courses
July 23, 2020

IBM: Introduction to Web Development with HTML5, CSS3, and JavaScript edX.org Free Online Courses
February 08, 2021

Cyberlinked: A connected Community of Students Towards A Safer Cyberspace
January 25, 2023

InnoVision: Technopreneurship Learning Series
August 16, 2023

Career Preparation: Preparing and Navigating the Job Market as a Developer
January 16, 2024