

Quan Minh Nguyen

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Website: <https://miwa.sbs/>

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Education

San Diego Mesa College

- Sophomore BS Computer Science
- GPA: 4.0

Skills & Abilities

Programming & markup languages :	Java, HTML, CSS, JavaScript, XML, C++
Frameworks & Libraries:	ReactJS, Express, Socket.io, Bootstrap
Mobile app development:	Android Studio
Database management:	MySQL
Version Control System:	Git
JavaScript Runtime Environment:	NodeJS

Projects

Web Application: Quick chess – Online chess game (JavaScript, Socket.io, NodeJS & Express)

<http://quickchess.live/>

- Socket.io-based chess game hosted on Heroku and built with plain JavaScript without using Chessboard.js
- Allow users to create room and join room with a given unique room ID
- Created a sophisticated logic for different types of chess pieces.
- Implemented a logic for users to take turns and start the game when both players have joined the room

Web Application: Future Message – Send email to oneself in the future (JavaScript, ReactJS, NodeJS, MySQL, Express)

<https://future-message-page-by-quan.herokuapp.com/>

- A full-stack application that uses MySQL as a database and utilizes REST API as a data-transfer protocol.
- Allows users to set recipient's email, sending date and content of the message to be sent in the future
- Developed a logic for the server to be working 24/7 and send email based on a specific criterion.

Web Application: TypingTest by Quan – Online typing test (JavaScript, ReactJS, NodeJS & Express)

<https://typingtestbyquan.herokuapp.com/>

- Developed a user-friendly interface typing test for computer users to practice their typing skills.
- Utilized REST API to fetch data in order to implement the logical functionalities of the application.
- Allows users to select 2 different typing modes: Timed and Paragraph.
- Provides calculation of WPM and accuracy at the end of test.

Web Application: Weather by Quan – Online weather app (JavaScript, ReactJS, NodeJS & Express)

<https://weather-miwa.herokuapp.com/>

- Automatically locates the current location and provides weather information.
- Provides accurate weather status and 7-day forecast of more than 200,000 cities around the globe with the use of REST API.
- Decorated with responsive background video that correlates with current weather status.

Other Mini Projects:

- Android App: Tik Tak Toe – 3x3 and 4x4 Tic Tac Toe game with AI impossible mode implemented with Minimax algorithm.
- Android App: WeatherToday – Weather app.
- Android App: Morse Light – Translates text into morse code and flashes device's flashlight accordingly to the morse signal, also includes SOS flashing functionality.
- Web Application: Mind Game – A mind game to practice brain reflex and ability to distinguish different colors.
- Web Application: Meme Maker – Generate custom-made trending memes.