

Ali Hussain

programming & design

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PROJECTS •

- **Titan Types** ~ titan-types.vercel.app *August 2021 - April 2022*
 - Typing test web application that tracks wpm and various other stats based on the users typing input and displays it in real-time. Website features stats like words missed, accuracy percentage, highlighting incorrect letters, etc. This website mainly uses JS, jQuery and HTML/CSS.
- **COVID-19 Dashboard** ~ covid-map-orcin.vercel.app *November - December 2021*
 - Dynamic COVID-19 dashboard that displays various statistics and information regarding COVID-19 cases across the world using tables, charts and maps.
- **Who Would Win?** ~ who-would-win-eosin.vercel.app *September - October 2021*
 - Online web application that lets users submit characters from any outlet of media(TV, video-game, etc.) into a database of characters where randomly-generated matchups are made to pit characters against each other and lets users vote to who they think would win the match up.
- **My Tic-Tac-Toe** *August 2020*
 - C++ program that utilizes the command console to develop a simplistic GUI. Features a 'smart' AI opponent, a tally of wins/losses/ties, high-score saving, and error-proof input checking.

EXPERIENCE •

- **CSUF, Research Assistant** ~ [Fullerton, CA](#) *February 2022 - Now*
 - Using existing simulation software to model and simulate Lassa Fever Outbreaks in a locality of interest
 - Modeling seasonal drivers of transmission(LF) by simulating Lassa Fever using agent-based modeling (ABM) developed with Python & MESA.
 - Formatting & copying data for tabulation to perform spatiotemporal analysis of the data.

EDUCATION •

- **Cal State Fullerton** [B.S. Computer Science](#) *August 2020 - May 2023(expected)*

Relevant Coursework:

 - Object-Oriented Programming, Algorithm Engineering, Operating System Concepts, Software Testing, Front-End Web Development, Computer Architecture, File Structures and Database Systems, Software Engineering,

SKILLS •

- **Languages** • C/C++, HTML/CSS, Python, JS, SQL, Bash
- **Operating Systems** • Windows, Linux/Unix, macOS
- **Software Applications/Tools** • Visual Studio, VS Code, Git, GitHub, MySQL, Microsoft Office Suite, Frame.io