Jordan Alexander Clemons

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EDUCATION

University at Buffalo - Bachelor of Science, Computer Science   **August 2017 - May 2021**

- Dean's list
- GPA ~ 3.4
- Web Development emphasis

PROJECTS

Playlist Generator with Spotify API - https://www.preferify.app/

- Created a web application fully integrated with Spotify's API to aggregate user data and curate playlists which allows users to keep track of their favorite songs
- Developed with a Node.js backend to handle secure OAuth Authorization and React frontend for a user-friendly interface
- Created with responsiveness in mind to scale to mobile and desktop
- Peaked with ~ 500 monthly users

Collaborative Schedule Manager

- Worked with a scrum team on web application that allowed users to create and collaborate on calendars together and communicate in real time via websockets to improve group productivity
- Developed full stack application using a REST API with MongoDB, Flask backend and React frontend and deployed with Docker Compose
- Focused on security with secure user account storage and registration via session web tokens which allowed for an app with no major security vulnerabilities

Realtime Online Tic-Tac-Toe - https://io-tic-tac-toe.herokuapp.com/

- Developed web application to play Tic-Tac-Toe instantaneously via websockets which allows users to keep scores and play with different players
- Developed with a Node.js backend to handle websocket connections and React frontend for a user-friendly interface
- Created with responsiveness in mind to scale to mobile and desktop

Web Server

- Produced web server via TCP connection with no external libraries or frameworks which handles various GET and POST requests
- Intense parsing required for various requests and headers manually including websocket communications protocol at the bit level

Functional Interpreter

- Developed program to programmatically compute various logical functions with functional programming
- Created with OCaml

TECHNICAL SKILLS

Languages & Frameworks

- React, JavaScript, Node.js, Python, Java, Flask, C++, C, OCaml, Swift, React Native

Other

- Git, CSS, Websockets, Docker, Docker Compose, MongoDB, PostgreSQL, Vim, Visual Studio, Windows, macOS, Linux, Agile/Scrum, Express, Figma, Postman