**Grant Menke**

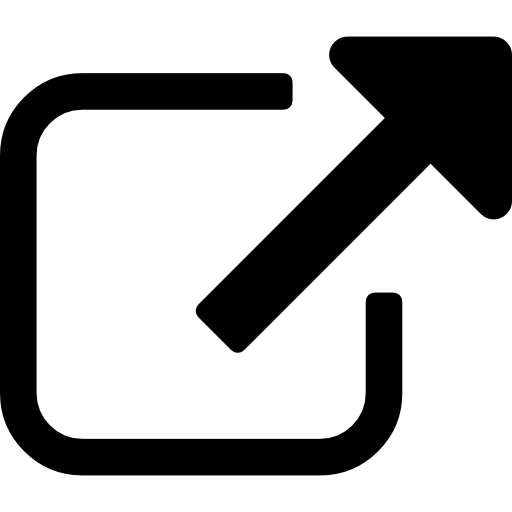
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Full-stack software engineer with roots in STEM education and Biology, I love to learn, think logistically, and am always building. My methodical thought process and craftsmanship allow me to plan and develop efficient, scalable, and traceable back-end systems.

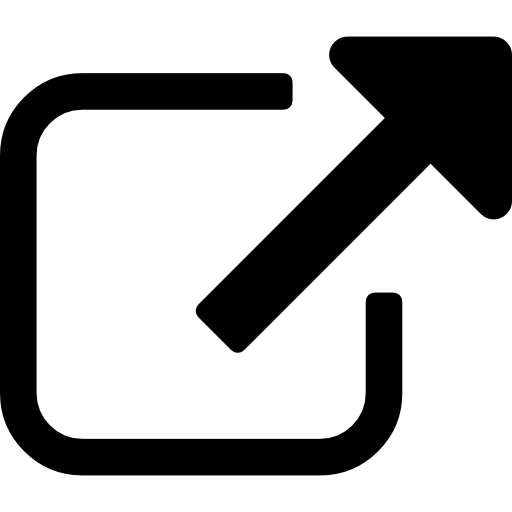
**Skills**

**Frameworks:** Node.js | React | Express | Vue.js | Django | **Languages:** JavaScript | Python | Markdown | HTML5 | CSS3 | **Database Systems**: PostgreSQL | Sequelize | SQLite | SQL | MongoDB | Mongoose | **Libraries:** React Redux | Vuex | Chart.js | **Software:** Axios | Babel | Postman | Insomnia | Postico | Heroku | Netlifly | Vercel | Surge | Git | GitHub | Visual Studio Code

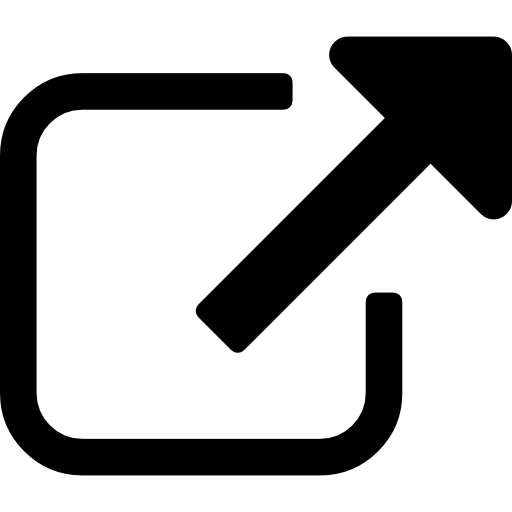
**SOFTWARE DEVELOPMENT PROJECTS October 2021 - Present**

[**NBA Fantasy Basketball Trade Analyzer**](https://github.com/gmenke54/u2_project_FBB_Trade_Analyzer)

* Utilized MERN stack (MongoDB, Express, React, Node.js) to build a full stack application that efficiently tracks live NBA stats.
* Designed client-side and server-side architecture leveraging a custom ERD and component hierarchy diagram before building.
* Made RESTful API fetch calls to the back-end handling all create, read, update, delete (CRUD) operations.
* Configured React Router and utilized React state and hooks to develop an interactive application styled with flexbox layouts.
* Built out modular React components that organize user input with the use of a database of teams and players.
* Created a reusable search component that immediately queries multiple external API’s and live renders only current NBA players along with their up-to-date stats and pictures sorted by relevance.

[**MyKetoPal Nutrient Tracking Platform**](https://github.com/gmenke54/My_Keto_Pal_Back_End)

* Utilized PostgreSQL, Python, Django, and Vue.js to build a full stack application that tracks user nutrient consumption.
* Employed many-to-many and one-to-many relationships in Django to create an efficient and scalable back-end system.
* Setup a full CRUD Django REST framework and leveraged axios within the front-end to make API calls and access data.
* Integrated Django REST framework token based user authentication to enforce API authorization for CRUD functionality.
* Self-taught and implemented a centralized Vuex store for efficient and predictable global state management within Vue.js.
* Leveraged 2 external API’s to allow users to easily log food through a component that automatically queries a nutrient database.
* Managed and deployed two separate GitHub repositories making frequent commits throughout development of the application.

[**GoodReads Book Recommendation Clone**](https://github.com/gmenke54/GreatReads)

* Utilized PERN stack (PostgreSQL, Express, React, Node.js) with a team of 4 to collaboratively build a full stack application that tracks and stores users’ favorite books and reviews of those books.
* Implemented user authentication leveraging JSON web tokens to enforce API authorization.
* Integrated React Redux on the front-end to store global data as a single source of truth.
* Queried the Google Books API to allow users to save books (and 15 associated data points) to their account page quickly.
* Employed Git version control and cohesive group git practices to co-develop this project simultaneously with my peers
* Leveraged Heroku to initialize and deploy the in production database and front-end web application.

**PROFESSIONAL EXPERIENCE**

**Think Academy (Part of TAL Education Group)**,Global Management Trainee  **June 2020 - October 2021**

* Developed and implemented an interactive online teaching process in order to maximize student standardized test performance.
* Lead the local marketing team by establishing Think Academy’s online communities for both current and prospective parents on Facebook, Nextdoor, and Yelp raising our average interactions per week from 3 to 55.
* Researched, designed and hosted free academic webinars (averaging over 2,000 views) to increase new student enrollment.

**UCLA Residential Life,** Lead Resident Assistant (RA)  **August 2017 - June 2020**

* Managed a team of 10 newly hired resident assistants to foster a community-oriented environment within our residence hall.
* Collaborated with other RAs in weekly stand-ups planning upcoming programs to maximize community engagement.

**EDUCATION**

**General Assembly** **February 2022**

*Software Engineering Immersive*

**University of California, Los Angeles** **June 2020**

*Bachelor’s of Science in Biology with Departmental Honors* 3.97 Major GPA