

Tyler McDonald

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[Portfolio](#) – [GitHub](#) – [LinkedIn](#)

TECH: Java, JavaScript, Node, React, Express, SQL, Git, CSS, HTML

DEVELOPER EXPERIENCE

myCourses

- Developed a full stack application for users to create an account and log in to view, create, update, and delete school courses in the school admin database
- Built the backend server by designing a REST API using Node.js core, Express, Sequelize ORM, SQLite for development and PostgreSQL for production
- Designed database model associations with data validation, user authentication, user authorization, and user security
- Developed client with React and React Router to display client data with URL redirection for certain events, private routes, user persistence using cookies, and error handling

Library Database Manager

- A database management application for maintaining and searching for items in a database.
- Server built within Node.js using Express for routing, request/response cycle, and error handling, and Sequelize for handling SQL interfacing for CRUD operations within the database
- Client built using the Pug/Jade templating engine which displays the search results and adds pagination
- Database models defined with Sequelize enforce data validations and data types, providing form feedback to the client

WORK EXPERIENCE

Advantage Academy

Sep. 2020 – Jul. 2022

Business Director

Dallas, TX

- Build Excel tools to increase staff productivity by automating manual tasks
- Collaborate with software developers to help build application functionality and design, perform alpha testing, suggest enhancements, and assist writing technical documentation for users
- Upgrade database entry process from manual entry to a data feed file
- Manage company administrative & financial database, standardize user setup data including security access, process/approval workflows, and administrative rights
- Identify and troubleshoot financial software defects and report to developers

Advantage Academy

Sep. 2018 – Sep. 2020

Accountant

Dallas, TX

- Reconfigured financial database for data uniformity and standardization, resulting improved user-friendliness, usability, reporting capability, and maintained internal system documentation
- Wrote and maintained technical documentation for financial and accounting database

EDUCATION

Treehouse

Sep. 2022

Full Stack JavaScript bootcamp focused on Node.js, Express.js, React, SQL, Git, HTML, CSS

Virtual

Texas A&M University

Aug. 2019

Bachelor of Business Administration, Accounting

College Station, TX

Strasbourg University

Jul. 2016

Study Abroad, International Finance

Strasbourg, France