

# Tyler McDonald

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

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

## DEVELOPER EXPERIENCE

### myCourses

- A full stack application for users to create an account and log in to view, create, update, and delete courses in a school admin database
- Designed a REST API using Node, Express, Sequelize ORM, and PostgreSQL
- ORM design includes various model associations, data validation, user authentication, and user authorization
- Client consumes the REST API with React and React Router with features including 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*