Daniel Morgan

Software Engineer

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SKILLS

SQL (SQLite3, PostgreSQL), Python (Pandas, NumPy, Webscraping), JavaScript, Ruby, Ruby on Rails, React, Redux, HTML, CSS, Mongoose, MongoDB, Node.js, Express.js, Webpack, jQuery, Git, Heroku

PROJECTS

Golf Stats (In progress)   [Github]

Golf stats is an application that scrapes the website golfstats.com for golf major statistics and turns them in PostgreSQL databases to allow for querying, using python(pandas, webscraping), HTML, and PostgreSQL

- Applied webscraping techniques to automatically direct the user to golfstats.com, sign-in, traverse the website and import all of the relevant data into an excel file.
- Utilized the pandas library to import and transform the excel file into a readable CSV, and then turned the CSV files into a PostgreSQL database.
- Created SQL queries using the imported database to organize and display the most important statistics to help present the user with the most relevant statistics to help predict the outcome of the four major golf tournaments.

Catapult   [Live Site] | [Github]

Catapult is a clone of the website Kickstarter using ruby, rails, javascript, react, redux, and CSS.

- Incorporated Javascript, React, Redux, and Amazon Web Services (AWS) to allow users to build their own projects, view the most recent projects on the homepage, or view all projects by the selected category.
- Employed Ruby and Rails to construct the database and schema to allow for storage of users account information, projects, and categories.
- Adapted React/CSS logic to allow one page to appear as five different pages with the capability of clicking forward to the next page and backwards to the previous page.

Get Set - Backend Lead   [Live Site] | [Github]

GetSet is a team built photo comparison scavenger hunt game where users can create and participate in photo hunt challenges, using javascript, react, redux, Mongoose, MongoDB, and AWS.

- Utilized the resemble API alongside AWS to show the similarity percentages between up to 10 images at a time.
- Designed and built four separate schemas and validations using Javascript, Mongoose, and MongoDB to allow users to build and store account information within the database.
- Constructed all backend routes to and from every page, along with corresponding error messages using express.js middleware

EXPERIENCE

Analyst

LivePerson   Sept 2019 - Mar 2020

- Worked closely with a software engineer in running over 3,000 tests for an internal sales application(Quote-Builder), from the front-end of the website all the way through to making sure the data flowed through properly to Salesforce.
- Built workflows for Quote-Builder using LucidChart, documenting each step of the process from signing up with email all the way through to the confirmation email for every different order and payment type(credit card, wire transfer, etc)
- Stepped in to the billing team to close out over 1,000 pending billing queues, while still building the workflows and testing on QuoteBuilder.

Junior Trader

Mirae Asset Global Investments   June-August 2018

- Traded equities, options, and other instruments in developed and emerging markets using Bloomberg's EMSX platform.
- Analyzed market news and trading flows and relayed all relevant information to five portfolio managers and 10+ analysts.

Operations Specialist

*R. Seelaus *& Company/GraniteSprings Asset Management*   September 2016- May 2018

- Reconciled Bloomberg trader workspace position sheet with BTIG prime brokerage account.

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (2020) ~3% acceptance rate

University of Delaware - *Bachelor of Science - Finance*   (Spring 2016)