

## Software Engineer

### Objective

Searching for a full-time or internship Software Engineering opportunity starting Summer 2021.

### Technical Skills

- Languages: JavaScript, Java, HTML & CSS.
- Technologies: React.js, Node.js, Express.js, Git, SQL, MongoDB.
- Operating Systems: Windows, macOS

### Projects

#### Mechanic Record (PostgreSQL, Jest.js, Node.js, TypeScript, React.js):

Keeps record of the customers, their cars, and the individual services associated with each car. Also helps the mechanic shop stay organized. Created custom endpoints along with a Postgres database to assist requests that retrieve and send data. Used Jest.js as the testing framework for unit testing. Implemented JWT for authorization and used React.js for the front end.

Link: <https://github.com/jcuello123/mechanic-record>

#### Youtify (Node.js, React.js):

Convert a YouTube playlist of music into a Spotify playlist. Learned how to use Spotify's OAuth for login and authorization. Used web scraping to get the artist and song name for each video of the YouTube playlist. Utilized Spotify's API in order to insert the songs into the user's Spotify playlist. Hosted this website using Amazon Web Services (AWS).

Link: <http://youtify.online/>

#### Twitter Clone (MongoDB, Node.js, React.js):

Social media application. Created custom APIs from scratch, implemented login authorization, and learned how to store images in a database.

Link: <https://snookbook.herokuapp.com/>

#### Game of Life (Jest.js, Node.js, React.js):

Visualization of Conway's Game of Life. The logic portion was created using Node.js and Jest.js (testing framework). The visualization portion was created using React.js. I learned how to use Jest.js to perform many different tests to ensure the logic worked correctly.

Link: <https://game-of-life-visualization.herokuapp.com/>

### Relevant Coursework

- Software Engineering I
- Data Structures/Algorithms
- Database Management
- Java Programming II
- Programming III (C)
- C For Engineers

### Education

- From May 2019 to December 2021 • **Bachelor's in Computer Science**  
**Florida International University** Miami, FL
- From August 2016 to May 2019 • **Associate of Arts**  
**Miami Dade College** Homestead, FL