Andrew Madrigal
Full Stack Software Engineer

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SKILLS
LANGUAGES: Javascript, Python, Git, HTML, CSS, SQL
FRAMEWORKS & LIBRARIES: Flask, Express, Redux, React
OTHER TOOLS & TECHNOLOGIES: Google Maps API, Socket.io, AWS S3

PROJECTS
Yap *Flask, ReactJS*   live | github
This site is a clone of Yelp
- Developed an interactive user interface with efficient state management via Redux/React to allow for seamless transitions between business pages and dynamically rendered business reviews.
- Implemented image uploading through AWS S3 integration allowing users to upload images to their business directly from their local files.

Dissscord *Flask, ReactJS*   live | github
- Built out project within a week as a team via a combination of rotational paired and individual programming
- Organized and managed Flask routes with RESTful syntax to handle frontend requests, integrate data into the database, and respond accordingly
- Manipulated and validated user data from the frontend using Flask-SQLAlchemy to ensure database security and proper relational dataflow
- Implemented a real-time messaging system utilizing socket.io enabling users to see messages as they are sent, and react to messages live

Drew's Snoozeries *Express, ReactJS*   live | github
This Project is a clone of AirBnB
- Troubleshot data management differences between development using SQLite and production use the much more rigid Postgres
- Created custom backend validation via express middleware to prevent unwanted data from entering the database, and ensuring properly established data relationships

EXPERIENCE

Phlebotomy Technician - Float II

Quest Diagnostics   Nov 2021 - Aug 2023
- Manage teams of 2 - 6 phlebotomists to ensure the operations run smoothly, appointments are seen in a timely manner, and specimens are processed properly to avoid inaccurate results and avoid delay of care
- Consistently kept appointments seen in the 95-100% range, and improved the appointment metrics for struggling sites by 40% -10% when present
- Assist in instructing new hires on standards of practices, and provide tips that would increase their personal metrics thus improving the sites metrics

Grocery Clerk

Raley's   Aug 2019 - June 2022
- Mainly checking groceries in a timely manner (while being understaffed in most cases) to ensure customers aren't waiting for too long, and also bagging their groceries in such a way that would avoid damage of goods
- Run the two-man dairy department on my own ensuring that items were rotated to mitigate loss of product to spoilage, product was stored in an organized manner that would allow for ease of restocking, and place ensure stock was properly accounted for to allow the reordering system to order accordingly
- Manage front end affairs as a step up assistant team lead as needed. This consisted of managing all frontend team members to ensure they got their breaks on time, ensure employees were doing their delegated tasks, and ensuring customer satisfaction by assisting with returns, store calls, and line management

EDUCATION
University of California, Davis - Bachelor of Science in Pharmaceutical Chemistry, 2018-2020
App Academy - Full Stack Software Engineering Bootcamp, 2024