# Jackson Price

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## Experience

**Business Systems Analyst** May 2019 – Present
*Tenet Healthcare, San Antonio, TX*

- Built and deployed a suite of web apps utilized by hospital supply chain directors. Web apps helped identify and reduce over $100K in excess and non-moving inventory in the first six months of production.
- Automated reporting ecosystem which reduced daily time running reports by over 80% (three hours daily to thirty minutes daily). Utilized tools such as **Python**, **PostgreSQL**, and **Tableau Server**.
- Developed dashboard which tracked company PPE during COVID-19 and was utilized by Senior Leadership to track the movement of over 28 million units of protective equipment to 66 hospitals across 6 states.

**Graduate Research Assistant** August 2018 – May 2019
*Baylor University, Keller Center for Research, Waco, TX*

- Ghostwriter of research papers for business school's monthly research publication.
- Authored bi-monthly book review for recent business publications.

## Projects

**Par Level Reset** (**Django**, **React**, **PostgreSQL**, **NGINX**) Demo
*A full stack web application that calculates and recommends optimal par inventory levels*

- Built full stack application and oversaw rollout to seven facilities across Central/South Texas.
- Developed novel par level algorithm which resulted in identifying an additional $100K, per facility, in excess inventory.
- Designed and built extensive REST API using **Django REST Framework**. Maintained full test coverage over all API endpoints.
- Built Single Page Application frontend using **React** with **Redux** for state management.

**Reduction Toolkit** (**Django**, **PostgreSQL**, **NGINX**, **AWS**) Demo
*A full stack web application that helps identify and remove stagnant non-stock inventory*

- Built full stack application and oversaw rollout to six hospitals across Central/South Texas.
- Deployed **Django** app in **EC2** instance on **AWS** and served dynamic templates behind **NGINX** reverse proxy.
- Reduced latency of dashboard page by 70% through server-side caching with **Redis**.
- Utilized task queue with **Celery** and **Redis** to prevent blocking when calling long running API's and enable asynchronous task execution.

**Humana-Mays Healthcare Analytics Case Competition** (**Python, SQL**) Link
*A logistic regression model to predict health outcomes*

- Selected to represent Baylor in a case competition hosted by Texas A&M and Humana.
- Built a logistic regression model, using **Python**, to predict whether a patient would abuse opioid medications based on past insurance claims.

## Skills

- Languages: Python, Java, JavaScript/HTML/CSS, SQL, Bash
- Frameworks and Libraries: Django, Django REST Framework, Flask, Spring, Node.js, React, Next.js, Redux
- Tools: Git, Linux, Docker, AWS, GCP, Celery, Redis

## Education

**MBA, Healthcare Specialization** May 2020
*Baylor University, Waco, TX*

**BS, Management, Healthcare Analytics Specialization, Cum Laude** May 2018
*The University of Alabama Honors College, Tuscaloosa, AL*