

# Georgina Garza

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## EDUCATION

**The University of Texas at Austin**, Austin, TX

2016 - 2020

*Bachelor of Science and Arts in Computer Science – 3.8 GPA*

*Bachelor of Arts in Theatre and Dance – Dance Concentration (Honors)*

Relevant Coursework: Software Engineering, Operating Systems, Data Structures, Algorithms, Linear Algebra, Statistics

## EXPERIENCE

**CDK Global** – *Software Engineering Intern; Austin, TX*

June 2018 - August 2018

- Worked closely with an agile team to help complete work needed each sprint
- Revised large API code base whose purpose was transforming raw data from car dealers to clean/useable data
- Migrated API database from Oracle to PostgreSQL by creating a communication across two API's
- Developed pipeline for leads-matching data using Kafka topics, custom-built curator, and data schemas

## PROJECTS

**To The Beat** (Web Application) – *tothebeat.herokuapp.com*

- Built a webapp to automatically curate a Spotify playlist in a user's account based on a given tempo
- Collected user account information and data by calling Spotify's API with authentication through OAuth
- Implemented the backend with Python/Flask, and assembled playlist with logic through Javascript
- Designed frontend with Bootstrap, FontAwesome, custom CSS styling, and Spotify's playlist embedding

**Waitless** (Mobile Site) – *bit.ly/waitlessapp*

- Developed a website for mobile applications to scan barcodes at a store, purchase the items, and have the total automatically deducted from the user's Capital One account
- Integrated Google Maps API to automatically recognize a user's location and display local retail stores
- Attained barcode data using QuaggaJS, and sent data to backend to obtain corresponding product

**CapGen** (Machine Learning)

- Generates vehicle descriptions automatically based on features and images of a vehicle based on VIN number
- Gathered vehicle data and images through calls to CDK Global's VIN Decoder API
- Trained and fit a model, composed of a photo feature extractor, sequence processor, and decoder

**SF-Dispatches** (Web Application) – *sf-dispatches.herokuapp.com*

- Created a webapp to display relevant information about real dispatch calls from the San Francisco Area
- Loaded relevant data into MongoDB and built the backend to grab the relevant data using Python & Flask
- Implemented relevant area and heat maps using the Google Maps API and Javascript
- Set up an interactive way for users to find the most likely type of dispatch call for a chosen area and time of day

**PintOS** (Systems)

- Expanded aspects of an operating system, built in C, such as priority scheduling, argument passing on the stack, system calls for user programs, virtual memory, and multi-level indexed file system

## SKILLS

**Technical:** Java, Python/Flask, Javascript, C, HTML/CSS/Bootstrap, MongoDB, Kafka, Docker, Git, Adobe Photoshop Certified

**Foreign Languages:** Spanish (Proficient)

## LEADERSHIP AND ACTIVITIES

**Media Coordinator**, Dance Action, UT Austin

June 2018 –Present

**Hispanic Association of Computer Scientists Member**, UT Austin

September 2018 - Present

**Women in Computer Science Member**, UT Austin

September 2016 – Present

**HackTX Participant**, Austin, TX

October 2016