Georgina Garza

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EDUCATION

The University of Texas at Austin, Austin, TX   August 2016 - May 2020
Bachelor of Science and Arts in Computer Science – 3.8 GPA
Bachelor of Arts in Theatre and Dance – Dance Concentration
Relevant Coursework: Software Engineering, Data Mining, iOS Development, Operating Systems, Data Structures, Algorithms

EXPERIENCE

JPMorgan & Chase – *Software Engineering Intern*   June 2019 – August 2019
- Built a Full-Stack Web Application from scratch to automate the verification of a data schema in an Excel file against an existing Oracle Database, saving developers 2 hours per week of manual database debugging
- Programmatically generated SQL and Avro files automatically for users upon successful verification of data schema
- Developed backend with Java-Springboot, designed frontend using Angular, and deployed application to internal cloud

CDK Global – *Software Engineering Intern*   June 2018 - August 2018
- Migrated API database from Oracle to PostgreSQL by creating a communication channel across two API's; Constructed channel by creating JSON file for input, calling API endpoints, and parsing through returning JSON file to collect data
- Improved data pick-up and processing from daily to immediate, providing faster return-time to customers, by developing a pipeline for vehicle sale leads-matching data using Kafka topics, custom-built curator, and data schemas
- Transformed raw data from car dealers to clean and useable data by revising large REST API code base

PROJECTS

Roots (Web Application) – *In Progress*
- Developing a full-stack webapp to automate a dance audition process including sign-ins, casting, and email notifications
- Improves time efficiency, reliability, and user experience of a manual process currently taking 6+ hours

To The Beat (Web Application) – *tothebeat.herokuapp.com*
- Built a webapp to automatically curate a Spotify playlist in a user's account based on an inputted tempo
- Collected user account information and data by calling Spotify's API with authentication through OAuth 2.0
- 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

PetPals (iOS Mobile Application)
- Created a Tinder-style iOS mobile application to act as a way for pet owners to set up play dates for their animals
- Stored user data using Firebase Authentication and Database, showing relevant profiles and settings after login
- Customized user functionality using Koloda, Geofire, and JTAppleCalendar

CapGen (Machine Learning)
- Generated vehicle descriptions automatically based on features and images of a vehicle based on VIN number
- Trained and fit a deep learning model composed of a photo feature extractor, sequence processor, and decoder
- Prepared data by analyzing description vocabularies/lengths, creating a tokenizer, and one-hot encoding words

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; Used QuaggaJS and Google Maps API

SKILLS

Technical: Java, Python/Flask, Swift/iOS, Javascript, Angular, Typescript, HTML/CSS/Bootstrap, MongoDB, Kafka, Docker, Git, Agile
Foreign Languages: Spanish (Proficient)

LEADERSHIP AND ACTIVITIES

Dance Action Executive Officer, 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
Capital One Software Engineering Summit & Hackathon, Washington D.C.   May 2018
DataHack Participant & Finalist, Austin, TX   April 2019
HackTX Participant, Austin, TX   October 2016 & 2017