LI NIE

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Targeting a full-time Software Engineer position in May 2020

EDUCATION

The University of Texas at Austin   **Austin, TX**
M.S. in Information Studies, GPA 3.8   Aug. 2018 - May 2020

China University of Petroleum - Beijing   **Beijing, China**
B.B.A. in Information Management & Information Systems   Sep. 2014 - Jun. 2018

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, R, C#
Databases: SQL, MySQL, SQLite, MariaDB, PostgreSQL, Access
Frameworks & Tools: Spring Boot, Flask, Django, Bootstrap, jQuery, Semantic UI, REST API, Git, Postman, Heroku, DigitalOcean, Linux OS, Shell, Microsoft Azure, UML, Power BI, Tableau

PROFESSIONAL EXPERIENCE

IBM Security Scenario-based Web Game Development   **Austin, TX**
Capstone Project   Jan. 2020 - Apr. 2020
● Developed a game with Semantic UI, Spring Boot, and MVC pattern to introduce IBM Security products and services
● Realized functions like calculating and displaying scores, retrieving data from MySQL database, displaying events with Pagination, and rendering results to the front-end pages.

Daily Activity Lab, UT Austin   **Austin, TX**
Research Intern   May 2019 - Sep. 2019
● Wrote Python scripts to address data wrangling for messy raw data, including unifying time structure, combining human-made labels and sensor-generated time slots, and realizing automatically processing data across all participants' folders
● Visualized the waveform, spectrogram, and data labels for baby cry and fussing audio data using matplotlib and librosa
● Conducted preprocessing and framing on wav files and then extracted numerical audio features for cry/fuss classification

PROJECTS

Apartment Vacation Rental and Sublease Web Development   **Austin, TX**
Full Stack Development   Mar. 2020 - Present
● Developing a website for students' renting apartment using Spring Boot and MySQL with prototype driven development
● Defined exception handling and log processing; rendered static template files after retrieving data with Thymeleaf
● Built entities and relationships with JPA; realized combined query search with JPA Specification
● Implemented commenting, replying comments, and nested comments display with jQuery AJAX

Social Media Site Development   **Austin, TX**
Full Stack Development   Nov. 2019 - Jan. 2020
● Conducted development following Django MTV pattern, connected with SQLite to receive, store, and send back user data
● Implemented the front-end for users to register, log in, create groups, and post blogs with Django template inheritance
● Utilized Django Form and Model Form to collect information from users and save it to models, also realizing validation

Store Management Web Development   **Austin, TX**
Back End Development   Aug. 2019 - Oct. 2019
● Built REST APIs to realize interactions between client and server and stored objects to relational database with flask
● Processed the interactions with advanced request parsing for JSON payload and conducted proper error control
● Realized functions to allow for authentication, user log in and log out, token refreshing, and blacklisting with JWT

Information Systems Design and Implementation Project   **Beijing, China**
Back End Development   Mar. 2018 - May 2018
● Implemented GUI information management systems in C/S and B/S architectures with C# and .Net
● Realized user management, entity management, system log management, and "CRUD" interactions with DB