

LI NIE

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Targeting a full-time Software Engineer position in May 2020

EDUCATION

The University of Texas at Austin

M.S. in Information Studies, GPA 3.8

Austin, TX

Aug. 2018 - May 2020

China University of Petroleum - Beijing

B.B.A. in Information Management & Information Systems

Beijing, China

Sep. 2014 - Jun. 2018

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

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