

Tianrui Li

Email: lit1@ufl.edu | Phone: (702)427-7799 | Website: littealeaf28.github.io | GitHub: github.com/littealeaf28

Education

Bachelor of Science in Computer Science

University of Florida, Gainesville, FL

Minors: Electrical Engineering, Physics

Relevant Coursework: Data Structures & Algorithms, Introduction to Software Engineering, Information and Database Systems 1, Introduction to Probability, Computer Graphics, Introduction to Computer Organization, Digital Logic & Computer Systems, Circuits 1, Programming 2, Discrete Structures

May 2022

GPA: 4.0/4.0

High School Advanced Honors Diploma

Palo Verde High School, Las Vegas, NV

May 2019

GPA: 4.0/4.0

Technical Skills

Programming Languages: JavaScript, C++, Java, Python

Libraries, Frameworks, Tools: Node + Express, Angular 9, React + React Native, AWS, MongoDB, Firebase, Docker, Jasmine + Cypress, HTML + CSS, Git

Languages: Mandarin (fluent/conversational)

Work Experience

Studio Reach Software Developer Part-time

June 2020

- Now

- Implementing user stories for "Are You House Ready" project in Angular 9 and Firebase and writing end-to-end and unit tests in Cypress and Jasmine for them
 - Helped develop a new layout for real estate vendor cards/pages, remodeling data stored in Firestore for more efficient queries, and improve site's SEO, among other features
- Engages in daily standups, iteration planning meetings, retrospectives, and pair programming sessions as part of an Agile team with a kanban workflow based in Jira

Applications of Discrete Structures Teaching Assistant

Jan. 2020 -

Now

- Prepares powerpoint presentations and example problems for brief lecture reviews over core concepts during weekly discussions
- Addresses student questions and concerns during weekly office hours
- Engages in weekly conferences with the professor and other fellow TAs to plan out the logistics of the course, such as times to grade and course content being reviewed

BookMark'd Startup Full-stack Web Developer

Oct. 2019 -

July 2020

- Developed microservices as part of a REST API using Node + Express (e.g. user authentication and authorization, product searching, and payment processing) and documents in Confluence
 - Leverages a variety of 3rd party APIs and software (Passport.js, Elasticsearch, Square, Amazon SES, etc.) and manages database of user and products through MongoDB
- Managed web app infrastructure through AWS services: runs app on EC2 instances, develops a pipeline for CI/CD via CodeCommit, CodeDeploy + CodePipeline, and sets up domain name and SSL certificate with Route 53 and Amazon Certificate Manager
- Implemented a minimalistic user interface through React for displaying user information and providing access to appropriate functionality/services

Projects

Cryptolmage March 2020

- A 2020 SwampHacks project that either encodes a message in an image or decodes a message within an image by adjusting the RGB values of select pixels to the message's ASCII values or vice versa
- Designed as a web app using React for taking in and displaying images and messages and Flask for processing image data and performing the encoding and decoding

Time Tracker August 2020

- Implementing a web app that aims to optimize the way groups schedule meetings that work for everyone
- Allows individual user to keep track of own calendar (unlike When2meet) and easily use it when setting up group calendars for
- Facilitates such design through Angular 9 as the frontend and Firebase for hosting and database management

r/movie Tracker August 2020

- Developing a web app that displays the frequency with which certain movies are mentioned in the r/movie subreddit over time by pulling posts from the subreddit each day and determining the number of times a given movie is mentioned
 - Uses Selenium to scrape movie titles from IMDB site and manages them in a PostgreSQL database