

Alice (Lingyi) Zheng

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EDUCATION

Northeastern University

Jan 2022 - May 2024

Master of Science in Computer Science, GPA: 3.83/4.0

San Francisco, CA

Related Courses: Python, Java, C programming, Data Structure, Algorithm, Discrete Mathematics, Object Oriented Programming, Web Development, Mobile Development, Computer Networking

University of Iowa

Sep 2014 - May 2017

Bachelor of Management in Business Analytics and Information System, GPA: 3.64/4.0

Iowa, IA

Related Courses: Data Mining, ML Algorithms, R, Tableau, Database Management, VBA

SKILLS

Languages: Python, Java, C, JavaScript, HTML/CSS, VBA, R, SQL

Frameworks/Skills: jQuery, Bootstrap, React, Next.js, Node.js, Express, Flask, Django, AJAX, JUnit

Databases/Tools: MySQL, MongoDB, PostgreSQL, Git, Firebase, Amazon Web Services, Docker, Linux, IntelliJ

PROJECTS

StreetArt Full Stack Web App

Aug 2022 - Nov 2022

- Developed features including login /sign up /log out /upload /delete /edit image with description.
- Developed the frontend and backend using **HTML**, **CSS**, **JavaScript**, **Express.js** and **Node.js**.
- Showed users and other users' uploaded street art's location by using **Google Map API**.
- Built UI based on **Bootstrap** and used **React** to develop different UI components.
- Implemented backend services using **ExpressJS** framework to handle **RESTful** requests to operate resources.
- Used **MongoDB** to store users /posts /descriptions /locations /images information and used **AWS S3** to store uploaded images and deployed the application on **Heroku**.

Movieholic Project

Jun 2022 - Aug 2022

- Developed a movie rating social media application with features of create, update, delete, rate movies, comment, change theme and share pictures and videos.
- Designed application by **Figma** and implemented frontend pages using **HTML**, **CSS** and **Bootstrap**.
- Developed backend **RESTful** API using **Python** and **Flask** framework.
- Created custom **WTForm** widget in movie editing and Implement user authentication in the **Flask** application.
- Used **MongoDB** to store and retrieve all the data on **Cloud** and publish the Flask application on **Heroku**.

Snake Game

Feb 2022 - May 2022

- Developed a Snake Eat Apple Game in **Java** applying the **Model-View-Controller** structure.
- Designed and wrote a GUI game board, and uses **Swing** toolkit to support by controlling the keyboard.
- Applied many kinds of design patterns including **Factory pattern**, **Adapter pattern** and **Singleton pattern** to manage and simplify interface design.
- Implemented unit tests by using JUnit4 by over 85% test coverage.

WORK EXPERIENCE

State Street Bank

Sep 2020 - Mar 2021

Senior Data Analyst

Hangzhou, China

- Developed and maintained **10+** modeling tools, dashboards, and macros for business partners, and performed ad-hoc data analysis by using **SQL** and Excel for supporting the business needs and opportunities.
- Used **Python** to manipulate data from manual to automate process, which shorten entry time **up to 70%**.
- Collaborated with cross-functional teams daily to issues, which improves productivity and quality.

Amplifon

Jun 2017 - Sep 2019

Business Intelligence Specialist

Minneapolis, MN

- Built and maintained different complicated **SQL** scripts for data cleaning and extractions.
- Used **Excel** to analyze the profit of **1000+** hearing aid shops, identify issues and offer strategy and logical solutions to ensure optimal performances of franchisees, and make predictions on the KPI measures.
- Monitored and offered support to franchisees and stakeholders on daily dashboard of **Power BI** and **QlikView**.