Xiaojie Li

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EDUCATION

Boston University   Boston, MA
Bachelor of Arts in Computer Science   *Sept 2019 - May 2023*
- 3.4 / 4.0 GPA
- Dean's List Spring 2020 - Spring 2021

TECHNICAL SKILLS

Languages: Javascript, Java, Python, C, HTML/CSS
Frameworks/Web Development: React, Express, Firebase, AWS, Flask, MongoDB, Material-UI
Developer Tools: Git, Linux, Heroku, Figma, VS Code

EXPERIENCE

Amazon   Jun. 2021 - Aug. 2021
SDE Intern   *Sunnyvale, CA*
- Creating an internal facing fullstack app with a React/Redux frontend and AWS Lambda/DynamoDB backend
- Triggered periodic Lambdas using Cloudwatch events to expire and activate announcements in DynamoDb
- Implemented several Lambda handlers to authenticate, create, and fetch information from DynamoDB
- Utilized API Gateways to expose Lambda functions where necessary
- Developing an intuitive React UI with multiple views, forms, form validation, and data fetching with Axios

Hack4Impact (club)   Sep. 2020 - Present
Team Lead   *Boston, MA*
- Utilizing React, Firebase, and other web technologies to develop full-stack solutions for local non-profit clients. Projects change each academic year.
- Communicating with clients and creating dynamic development timelines while managing a team of 8 devs
- Efficiently delegating tasks to my team and come up with solutions to blockers

Upperline Code   Jul. 2020 - Aug. 2020
Full-stack Teacher Assistant   *Remote from NY*
- Co-taught a full-stack course with Python, Flask, HTML, CSS, and Javascript to a cohort of sixteen students
- Assisted students in implementing REST APIs with MongoDB and Flask
- Helped students utilize external APIs with Flask, and taught them how to utilize sessions to store data as cookies

PROJECTS

Fullstack Non-profit Web App (team project) | *React, NextJS, Javascript, Firebase, Git*
- Developed UI for the website by creating the navbar and formatted pages with Material-UI components to create responsive pages
- Connected frontend to a serverless backend on Firebase to store, retrieve, and update user information, as well as other data such as images, and other user information
- Created the logic for managing user favorites on recipes, skills, and tips, as well as fetching those favorites from Firestore/Real-time database and displaying them

Educational Platform | *Python, Flask, MongoDB, Javascript, Bootstrap*
- Developed a full-stack web application aimed at simplifying the educational experience for teachers and students, and allow easy adminstrative management
- Utilized Flask to serve a REST API with MongoDB backend
- Used Jinja templating language to dynamically render data fetched from REST API

Sudoku solver | *Java*
- Created various algorithms that solve Sudoku puzzles with different efficiencies
- Used backtracking to solve Sudoku puzzles of all difficulties, and made optimizations to make few guesses per solve

Custom bash shell | *C, Git*
- Developed a Bash shell program in C utilizing low level system calls
- Utilized fork and pipe system calls to facilitate inter-process communication and support commands with multiple bidirectional pipes