Xiaojie Li

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EDUCATION

Boston University   Boston, MA
Bachelor of Arts in Computer Science   *Sept 2019 - May 2023*
- 3.3 / 4.0 GPA
- Dean's List Spring 2020 - Fall 2020

TECHNICAL SKILLS

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

EXPERIENCE

JP. Morgan Chase   Jun. 2021 - Aug. 2021
Incoming Software Engineer   *Columbus, OH*

Hack4Impact   Sep. 2020 - Present
Software Engineer   *Remote from MA*
- Created frontend layout using NextJS and Javascript from design prototype on Figma
- Managed user authentication and routing with NextJS router and connected user profile page to Firebase firestore
- Reduced requests to Firebase by 50% by storing certain data locally with JS-Cookies

Upperline Code   Jul. 2020 - Aug. 2020
Full-stack Teacher Assistant   *Remote from NY*
- Co-taught a full-stack web development 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 web APIs with Flask, and taught them sessions to store data as cookies for rapid access

PROJECTS

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

E-commerce site | *React, Javascript, NodeJS, Express, Firebase, Git*
- Developed a serverless e-commerce site to learn and implement React and Firebase
- Used React contexts API to dynamically update the user's cart
- Connected to Stripe API to allow for payment with Firebase cloud functions and Express
- Implemented secure login with Firebase authentication, and used multiple React hooks to design fast and efficient functional components

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