KELLY FANG

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EDUCATION

Massachusetts Institute of Technology *May 2024*
Bachelor of Science in Computer Science and Urban Planning Overall GPA: 4.8/5
Relevant Coursework: Software Construction, Software Design, Algorithms and Data Structures, Design and Analysis of Algorithms, Web Development, Machine Learning

SKILLS

Computer Languages Typescript, Javascript, Python, Java
Software & Tools React, Vue, Next, Node, Express, Redux, MongoDB, GCP, Figma, Git

EXPERIENCE

Squarespace June 2023 - August 2023
Software Engineering Intern

- Leveraged an internal design platform to develop responsive, user-friendly features satisfying accessibility requirements.
- Oversaw the development of a new feature by taking ownership in the scoping, implementation, and testing phases of its production.
- Collaborated cross-functionally with UI/UX designers, product managers, data analysts and other software engineers to transform a legacy monetization framework into a more flexible one.

Conservation X Labs January 2023 - February 2023
Software Engineering Intern

- Utilized modern, industry-grade frameworks and libraries for end-to-end development of core application features and functionalities.
- Renovated the user dashboard interface to deliver insightful data analytics by designing and implementing new interactions and visualizations.
- Optimized application performance through codebase refactoring and API debugging.

Civic Data Design Lab May 2022 - Present
Full Stack Developer

- Programmed a back end database storage system, dynamic web pages, and a web form for a digital platform exhibiting craftspeople's visual stories, crafts and artisanal materials in Beirut.
- Led the front-end development of an interactive database of maps and information about inequities in New York City's public spaces.
- Currently working on BenchMark, a project leveraging computer vision algorithms and sensor technologies to automate public life data collection.

MIT Senseable City Lab February 2022 - August 2022
Undergraduate Student Researcher

- Instrumented a pipeline to seamlessly streamline data cleaning and wrangling processes, resulting in a black-box tool that transforms raw sensor-collected pedestrian data into a viable format.
- Fine-tuned deep learning architectures for classification and time series forecasting of pedestrian trajectories.