MELISSA ZHANG

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EDUCATION

Brown University   2019 - 2023
B.S. Computer Science & International and Public Affairs

TECHNICAL SKILLS

Languages: Typescript, Javascript, HTML, CSS, PHP, Scala, ReasonML, Java
Frameworks & libraries: Node, ReactJS, React Native, D3.js
Applications: Adobe XD, Figma, InVision, Balsamiq

EXPERIENCE

Product Manager & Software Developer   Sept 2020 - present
Develop for Good
- Manage team of 6 developers and designers to create a website for **Police Unions Exposed:** a hub for calling out the role of police in anchoring and perpetuating unaccountable policing
- Liaise between the team and our non-profit contact

Front-End Developer   June 2020 - present
Full Stack @ Brown
- Currently building a **React Native** app with **MariaDB** backend for college students to report assault and abuse at on-campus parties in a simple and accessible way
- Conducted user research, and created an information architecture map based on user needs
- Wireframed and created low-fidelity and high-fidelity prototypes of the application interface

Undergraduate Researcher   Feb 2020 - present
Brown Graphics Lab
- Working with Professor Andries van Dam to develop Dash, an integrated hypermedia workspace using **ReactJS and Typescript**
- Designed and implemented 2 new visual components, the Comparison Box and 3D Carousel
- Built a Chrome browser extension to annotate content inside Dash iframes and create bi-directional hyperlinks, using **async/await routines and Chrome Tabs API**

Software Team Co-Lead   Sept 2019 - present
Brown Space Engineering
- Oversee the design and development of a new mobile app for the satellites launched/preparing to be launched by Brown Space Engineering
- Lead the process of user research, wireframing, prototyping, and development of the app

Web Developer   Sept 2019 - present
Brown Political Review
- Manage the Brown Political Review website (LAMP stack) in a team of 4
- Design custom post templates through Wordpress using **Javascript, CSS, PHP**
- Use **D3.js** to visually present data to readers in creative ways

President   Sept 2019 - present
Brown Go Association
- Organize and lead weekly Go club meetings with over 15 regular members
- Compete in local national, and international Go tournaments