

Ian SooHoo

San Francisco Bay Area

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EDUCATION

University of Illinois at Urbana-Champaign, Online **2022-2023**

Coursework towards Masters of Computer Science (MCS) GPA: 4.0

Highlighted coursework: IoT protocols (JS/Electron/React), Image Manipulation (OpenCV2)

San Jose State University, CA **2017-2021**

Bachelor of Science in Computer Science (BSCS) GPA: 3.5

Highlighted coursework: Blockchain (JS, Go), TensorFlow (Python/Anaconda), Functional Programming

WORK EXPERIENCE

Domatic // Front-end Software Developer March 2023-Present

- Initiated and developed **React Native** Hub UI, a multi-page admin control interface to actuate devices, manage configuration, and control settings.
- Built over 35 components for a **React** component library, supporting light/dark mode, and including a responsive data-grid with column sorting and a multi-tabbed details pane.
- Introduced **Tailwind** into React app and Nativewind into React Native apps.
- Designed and developed a React Native Installer app utilized to commission, install, and deploy Domatic hardware in 150 apartments in Seattle. Included hardware status monitoring UI.
- Implemented a responsive dashboard in React with **Charts.js** graphs and Cube integration.
- Refactored, documented, and encapsulated **REST APIs**, and migrated API hooks to React Query v4.
- Designed and created 3 custom client tablet control UIs in React and React Native.
- Utilized Express and Node to serve front-end

DocuSign // Software Development Engineer, Front-end June 2022-September 2022

- Improved front-end user experience for 3 automation rules sections with both functional programming and polymorphism, for the 3rd party connections team.
- Developed with TypeScript, React.js, and NestJS, and coordinated with 5 design and language localization teams across the company.
- Strategized and created app connection info pages, using React, CSS, and Typescript, with Oauth2.0.
- Generated 20 unit tests for React components using Jest and React Testing Library, and contributed debugging details via internal Kazmon data queries. Documented team practices and sandbox environment setup to improve onboarding efficiency.

CK-12 // Software Developer Intern, Interactives May 2019-July 2019

- Implemented 6 JavaScript web apps for four open-source digital textbooks as part of the math interactives development team.
- Modernized UX for existing web-app utilizing GeoGebra script.

SKILLS

LANGUAGES/Frameworks: JS/TS (React, Node, React Native) • Python • Java • GoLang (familiar)

OTHER: React Query • Tailwind/Nativewind • Figma • React Query • Jest • MongoDB • CircleCI • Bash Scripting

HIGHLIGHTED PROJECTS

SpotiPi - A Raspberry Pi touchscreen interface for Spotify control. The interface was built on React for a 3" screen with touch and stylus support in mind. I lead a team of 4 utilizing JS, Yarn, and Concurrently.

API Endpoint Explorer - A responsive REST API explorer built in React to test APIs from a browser.

Pasttime - A post-COVID recreational activity finder using CSS Grid, NodeJS, Bootstrap that scrapes city websites for activities and categorizes them in MongoDB.