MATTHEW CHOI

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SKILLS

- **Languages & Frameworks:** Javascript, React.js, HTML/CSS, Python, Java, Django, MySQL, Node.js, Typescript
- **Technologies:** Android Studio, VS Code, MySQL Workbench, JavaFx

EDUCATION

University of California Irvine, Irvine CA   Oct 2020 - Jan 2022
   Master of Software Engineering GPA: 3.7
University of California Irvine, Irvine CA   Jun 2016 - Jun 2020
   B.S. Informatics (Human-Computer Interaction)

EXPERIENCE

Innovation Institute   Jan 2020 - Jun 2020
Software Engineer Intern
- Developed a web app showing hospital staff daily reports of peak noise level data recorded in hospital rooms
- Integrated live charts of noise(db) levels that identified loud noises to help improve work efficiency by 20%
- Extracted noise decibel data from the Heroku database using Fetch API to update the client side pages
- Collaborated with UI/UX designers to design mockups and prototypes for the home and report pages to promote clean and user-friendly web pages

Internet Marketing Footprints   Sep 2019 - Dec 2019
Front-End Engineer intern
- Redesigned the company website using HTML, CSS, and Javascript improving the outdated search function to produce accurate and relevant results
- Built and maintained the blog site for Auloni Magazine updating its weekly articles, blogs, and events

PROJECTS

Mailbag App
- Full stack web app that retrieves and displays the inbox, messages and contacts list of a gmail account
- Implemented the SMTP/IMAP protocol to send emails and talk to an mail server to retrieve account information
- Incorporated REST functions to make get and post requests to a server that sends back email-related info
- Utilized: React, TypeScript, Material UI, Node.js, Express, Rest API

BCC Connect
- Built a social media app with React to help users connect by adding friends and sharing posts on a live feed
- Implemented OAuth user authentication to provide signups and a personalized profile for each user
- Utilized: React, Next.js, Express, Passport.js, Material UI

Todo List
- A customizable todo list for mobile users to organize their lists adding, editing or deleting items
- Used SQLite databases to store items and lists to support the sorting feature and make lists searchable
- Utilized: Java, SQLite, Android Studio

Book Store (*https://bcc-bookstore.netlify.app/*)
- Designed an ecommerce web app to help users search and buy books online and keep accurate book inventory
- Implemented Context API for state management storing and retrieving user-inputted data across the website
- Utilized: React, Context API, Bootstrap