KELVIN YIP

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Education

Yale University | B.S. Computer Science | New Haven, CT   May 2024
- Coursework: Systems Programming, Data Structures, Algorithms, Object-Oriented Programming, Software Engineering, Databases, Artificial Intelligence, Computer Vision, Computer Graphics, Machine Learning

Experience

Altea Healthcare | Software Engineer Intern   June 2022 - Present
- Implemented suite of revenue cycle management tools using React and C#, including an insurance and chronic care management dashboard, increasing efficiency for administrators managing healthcare facility cashflow
- Built generic tree select component using React resulting in improved user experience of admins managing user permissions for accessing information on over 80 facilities and their patients
- Developed single and multi-selection functionality of existing patient vital signs fetched from SQL database with TypeScript to improve ease-of-use of physician feature that documents clinical progress of patients
- Designed .NET REST API endpoints for physician signatures that reduced redundancy for physician actions

Stealth Startup | Software Engineer Intern   March 2022 - September 2022
- Scraped content across 200+ news outlets using BeautifulSoup library, enhancing accuracy of suggestion software
- Refactored Python scraper codebase using object-oriented programming paradigm, increasing code readability

Trova | Software Engineer Intern   January 2022 - June 2022
- Optimized mobile sign-up flow and UI using TypeScript and AngularJS, significantly improving user experience
- Built reusable modal component to explain the features present in the app's five main tabs to first-time users
- Implemented functionality that enabled users to add in-app events to personal Google and Outlook calendars

Swift Spot | Software Engineer Intern   November 2020 - December 2021
- Created mobile application with CTO for listing, searching, and renting parking spots
- Designed and built over 50 reusable React Native components, as well as pages utilizing the AWS GraphQL API
- Integrated with HERE API to build map feature resulting in improved transparency of exact parking locations

Activities

Yale Computer Society | President, Senior Advisor, Software Developer   October 2020 - Present
- Directed largest computer science club with 120+ active members, 7 software projects, events, and design team
- Launched Event Series, a rotation of events from work sessions to professional panels, improving club attendance
- Developed model instances and REST API endpoints using Prisma ORM and Express for YaleButteries, a mobile application for students to order from a residential college's late-night cafe

Yale Entrepreneurial Society Internship Program | Frontend Developer   June 2021 - December 2022
- Built recruiting dashboard with React to enhance interface of over 25 startup applications for internship program
- Used JavaScript to implement filtering, sorting, toggling, recruiter assigning, and cell customizing features for the dashboard, enabling recruiters to more efficiently find key information about applicants
- Reduced lines of code in frontend codebase by developing generic file input, modal, and table components

Personal Projects

Soccer Match Simulator   April 2022 - Present
- Developed Python script with BeautifulSoup library and object-oriented programming to simulate soccer matches
- Built React interface calling on FastAPI endpoints to improve user experience of interacting with the simulator

Skills

JavaScript | React | Python | TypeScript | React Native | HTML | .NET | C# | Express | MongoDB | Vue | C | Agile | Jira