Rex Liu

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EDUCATION

University of California, Berkeley • Computer Science • Berkeley, CA, United States   **Aug 2020 – May 2024**
- **Performance:** GPA 3.78/4.00
- **Coursework:** Structure & Interpretation of Computer Programs (A+)
- **Involvements/Clubs:** Data Science Society at Berkeley, Ascend Leadership, Berkeley Engineering Student Council

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, HTML, CSS, SQL, Scheme
Frontend/Backend: React.js, Sass, Node.js, Redux, Express, Firebase, MongoDB, MySQL, GraphQL

PROFESSIONAL EXPERIENCE

HKP Solutions   Jun 2020 – Present
Software Developer Tech Lead   Durham, NC, United States
- Lead 10 developers in creating hotel management **Android** mobile and **React** web applications with 400+ users/month
- Developed 80 screens in **Java** and **JavaScript**, integrated 230 pull requests, and handled 75 issues/enhancements
- Run effective scrum meetings with 30 interns to efficiently update backlog and create quality products
- Work with CEO and CTO to define project scope, objectives, and development roadmap

Investocracy   Jun 2020 – Oct 2020
Full Stack Web Developer Intern   Tokyo, Japan (remote)
- 1 of 3 developers creating 3 websites at startup connecting investors and startups across Asia and Africa
- Developed dynamic and responsive **React** frontend with 75 reusable components and 15 pages in **JavaScript**
- Implemented secure user authentication with **Node.js**, **Redux**, **MongoDB**, and **Firebase Authentication**
- Designed and built script to generate and deploy 10K+ SEO-friendly startup webpages with **Gatsby**
- Improved Lighthouse score of websites to 90 by implementing **sitemaps**, allowing Google to effectively crawl sites

RISE   Jun 2020 – Sept 2020
Software Engineering Manager   Vancouver, BC, Canada (remote)
- Led team of 5 developers in creating job tracking and finding platform and community
- Created dynamic **React** frontend and implemented secure **Firebase Authentication** and **MySQL Database**
- Allocated work, provided guidance, and resolved issues to meet performance objectives

EXTRACURRICULAR ACTIVITIES

Berkeley Engineering Student Council   Jun 2020 – Present
External Vice-President Officer   Berkeley, CA, United States (remote)
- Automated emails, forms, and tables for club affiliation processes, an initiative encouraging inclusion in Engineering clubs
- Find sponsors and form corporate connections with internal and external organizations for community-oriented events

Semiahmoo Programming Club   Nov 2018 – Mar 2020
Co-Founder and President   Vancouver, BC, Canada
- Mentored 15 high school students in Java and Python with collaborative challenges and projects weekly
- Directed 5 executives to facilitate classes and coordinated meetings and events with sponsor staff and principal

PERSONAL PROJECTS

Philadelphia Church of Vancouver Mobile Application   Sept 2018 – Aug 2019
- Increased community engagement of local church by developing **Android** mobile app as a connection platform in **Java**
- Implemented secure **Firebase database** for announcements, videos, images, and notifications
- Published application on Google Play Store with 30 downloads

Stock Trading Bot   May 2020 – Jun 2020
- Designed AI **Python** software to predict the stock movement based on trends; creates buy/sell orders accordingly
- Implemented **Alpaca Trading API** to import data and create buy/sell orders while deployed on **Google Cloud**