# 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 Software 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

**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**

**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