

Rex Liu

Software Developer

rexliu3@berkeley.edu



github.com/rexliu3



linkedin.com/in/rexliu3



Education

University of California, Berkeley | B.A. Computer Science

AUG 2020 - MAY 2024 | Berkeley, CA

Experience

Software Developer Tech Lead | HKP Solutions

JUN 2020 - PRESENT | Remote

- Lead team of 10+ developers to develop hotel management web and mobile application
- Developed 80+ screens (40+ per application) with React, SCSS, and Java
- Managed integration of 170+ pull requests and handled 70+ issues
- Run effective scrum meetings to efficiently update backlog items to deliver quality products
- Lead QA testing team to create a seamless user experience
- Head integration of Django backend server endpoints into frontend code
- Work with CEO and CTO to define project scope, objectives and development roadmap
- Remove obstacles for developers by providing training and managing project resources

Full Stack Software Developer Intern | Investocracy

JUN 2020 - SEPT 2020 | Remote

- 1 of 3 developers developing and managing all 4 websites at Tokyo-based startup connecting investors and startups across Asia and Africa
- Developed dynamic and responsive React frontend with 75+ reusable components
- Implemented secure user authentication with Redux, MongoDB, and Firebase Auth
- Designed and built script to generate and deploy 10K+ SEO-friendly startup webpages
- Web-scraped data for 1k+ startups for outreach teams, saving the teams 20+ hours
- Improved SEO by implementing sitemaps, allowing Google to effectively crawl sites

Software Engineering Manager | RISE

JUN 2020 - SEPT 2020 | Remote

- Led team of 5 developers in creating job tracking and finding platform and community
- Created dynamic React frontend and implemented secure Firebase Auth and SQL DB
- Allocated work, provided guidance, and resolved issues to meet performance objectives

Quality Assurance Tester | Ortexo

JUN 2020 - AUG 2020 | Remote

- Conducted extensive unit and integrated tests to find and track bugs on all company code
- Noted bugs, suggested improvements, and properly documented 20+ GitHub issues

Projects

PCOV Church App | Java, XML, Google Firebase, Android Studio

Spring 2019 | Greater Vancouver, Canada

- Increased community engagement of the Philadelphia Church of Vancouver, a local church, by developing an Android phone application as a connection platform
- Implemented Firebase database for announcements, videos, images and notifications
- Published application in Google Play Store with 30+ downloads

Stock Trading Bot | Python, Artificial Intelligence, Google Cloud

Spring 2020 | Greater Vancouver, Canada

- Implemented Alpaca API to import data and create buy/sell orders on Google Cloud
- Designed AI software to predict the movement of stocks based on past data and current trends; creates buy/sell orders accordingly
- Utilized AI analyzing modules including Keras and Sklearn
- Developed with Numpy, Pandas, and threading

Senior House Connect | HTML, CSS, JavaScript, PHP, MySQL

Summer 2020 | Greater Vancouver, Canada

- Creating web application to match volunteers with seniors for one-on-one sessions with JavaScript, HTML, and CSS
- Designing user-interface for volunteers to input preferences and for managers to manage timetables and input preferences for seniors
- Implementing MySQL database with PHP to store preferences and timetables

Sorting Visualizer | JavaScript, ReactJS

Summer 2020 | Greater Vancouver, Canada

- Visualize merge, quick, heap, and bubble sort algorithms
- Developed user-interface to randomize and sort arrays with React library

Leadership Experience

Officer | Engineering Student Council

JUN 2020 - PRESENT | Berkeley, CA

- Facilitate connection and inclusion within Eng faculty by hosting events, funding clubs, and creating initiatives in team of 10+
- Find sponsors and form corporate connections

Co-Founder and President |

Semi Programming Club

NOV 2018 - MAR 2020 | Greater Vancouver, Canada

- Taught 15 high school students Java and Python with interactive challenges and projects
- Directed team of 5 executives in creating and teaching weekly lesson plans
- Coordinated meetings and events with sponsor staff and school principal
- Hosted local coding competition

Vice-President of IT and Finance |

South Surrey Youth Effective Speaking

SEPT 2017 - APR 2020 | Greater Vancouver, Canada

- Developed and managed organization website to advertise accomplishments and goals
- Organized over \$10,000+ and donated \$4000+ to local charities
- Photographed year-end events with 50+ participants for social media marketing
- Managed logistics for classes for 30+ students

Skills

Technical Skills

Proficient with

Python3 • JavaScript • ReactJS • NodeJS • SCSS • GitHub (LFS) • Agile (Scrum) • Java • HTML • CSS • Google Firebase • Google Cloud • MongoDB • Redux • Express • MySQL

Knowledgeable in

Android Development • Web Development • Data Science • Algorithms Design & Analysis • Data Structures

Soft Skills

Exceptional

Leader • Collaborator • Innovator

Achievements

UBC Physics Olympics Champions - MAR 2019

University of British Columbia, Canada

- 1st / 600 Students – Provincial Physics Contest

Award of Excellence in Programming 11, Pre-Calculus 11, Chemistry 11 - JUN 2018

Semiahmoo Secondary, Canada

- 1st / 60 Students in each Class – 96%+ Final

Fun Facts

Hobbies

- Badminton - Semi Provincial Team (2018 - 2019)
- Piano - Level 8 Theory and Level 4 Practical
- Photography
- Rubik's Cube
- Origami

Interests

Artificial Intelligence • Automation • Aerospace Engineering • Cyber Security • Cryptocurrency