Loc Quang Tran

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EDUCATION

- **UNIVERSITY OF CALIFORNIA, BERKELEY**.   **Aug 2020 - Dec 2022**
    - B.A: Computer Science | Data Science Minor

SKILLS & TECHNOLOGIES

- Programming Languages: Python, JavaScript, Java.
- Technologies: HTML + CSS, React, TypeScript, Sass, Node.js, Express, MySQL, MongoDB.
- Tools: TensorFlow, Pandas, NumPy, MATLAB, Postman.

EXPERIENCE

Full Stack Developer - Intern   **Intern Pursuit**   **Sep 2020 - Dec 2020**
- Led the team of 5 to develop the frontend and UX/UI from scratch using **Figma** and **React**.
- Write tests, debug to improve existing features of a full-stack eLearning platform.
- Implemented One-time Password (**OTP**), reduced website load time by **80%**, and made it responsive for mobile using **React** and **Redux**.

Computer Science Tutor   **San Jose College**   **Mar 2018 - Jan 2020**
- Provided support for homework assignments and exam preparation for over 50 students total.
- Elevated student performance in Computer Science by at least **1 letter grade** with **99%** satisfaction rate from student.

PROJECTS

Atex (UC Davis Hackathon):
- Lead the team of 5 to create a full stack, mobile responsive platform, which allows users and organizations to host environmental events related to environments.
- Used **React** and **Redux** to construct the User Interface and State Management.
- Used **Expressjs** and **Nodejs** to construct the backend and APIs to interact with the clients.
- **MongoDB** to create the database and object models.
- Used **Tensorflow** to create an AI to help sorting different kinds of garbage with over 90% accuracy.

Realtime Chat App:
- Built with: **ReactJS**, **Redux**, **ExpressJs** and **Nodejs**.
- Databases and hosting: **Firebase**.

Build Your Own World:
- Designed and implemented a multiplayer, interactive 2D random tile-based world generation engine from scratch using Java.
- Features: with the ability to save/load most recent game state, and the ability to win/lose against avatars.

E-Mask (Electronic Mask):
- Led the team of 4 to create a mobile app that scans, spots, and notifies users if they were close to a COVID-19 infected user.
- Implemented using **Android**, **Kotlin**, **Firebase**, **Gradle**.
- California state released the app (CA notify) with the same idea 4 months later.