

IVAN YU

Software Engineer

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EDUCATION

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

Computer Science, B.S | Graduated 2020

Los Angeles, CA

KEY SKILLS

- Javascript, Java, Python
- Experienced in Web Service Architecture (Async, Client/Server, REST APIs).
- Excellent familiarity of React Front-End Frameworks developing reusable components.
- Experienced working with object oriented programming paradigms.
- Excellent coding style and source control habits.
- Strong fundamentals of Data Structures and Algorithms.
- Familiar with SQL and noSQL databases.

EXPERIENCE

UNION OF VIETNAMESE STUDENT ASSOC.

Garden Grove, CA | December 2020 – March 2021

Software Engineering Contractor

- www.uvsaspark.com
- React, NodeJS, AWS
- Developed web application platform allowing students to interact with one another as part of the annual UVSA Summit (virtual due to pandemic).
- Maintained peak of 157 simultaneous active users interacting within the app.
- Used socket.io on an AWS EC2 instance to facilitate multi-user functionality.

OPEN SOURCE RELEASES (NPM)

INSTANT PHOTO FRAME | React Component

- www.npmjs.com/package/instantphotoframe
- React, Webpack, Storybook
- Flexible react component that displays and manages images in a Polaroid-style frame. Allows for several parameters including frame size, image positioning, etc.
- Used Webpack to bundle code for public release.
- Used Storybook to create a React components in isolation.

PROJECTS

SURVEY ME | Full Stack Web Application

- React, Node.js, MongoDB
- Provided users the ability to send and receive online surveys for customer feedback.
- User generated emails surveys sent through SendGrid API
- Webhook connection to SendGrid to track individual user's response state.
- Handled state management using Redux

SMART EYE DROPS | Machine Learning with Detection of Vision Lost

- Project providing doctors with useful information to adjust and improve patients eye care.
- Assisted in the development of machine learning models to predict adherence rate of medical eye drops.
- Deployed model using AWS Sagemaker.
- Used Lambda and API Gateway to create a REST API for collecting data, storing data, and storing predictions.