

# Alfred Zhuang

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## EDUCATION

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

Pomona, CA

*Bachelor of Science in Computer Science, Anticipated graduation date: May 2023*

- Honors: President's Honor List (GPA: 4.0)
- Relevant Coursework: Data Structures and Object-Oriented Design and Programming

## PROJECTS

### SCHOOL-E

*Google Chrome Extension*

*April 2021 - May 2021*

- Designed School-E, which primarily utilizes the chrome extension API and other technologies to allow users to store links, emails, and to-do tasks for their courses in a more convenient manner
- Frontend built using HTML, CSS and DOM
- Backend built using Javascript and Node.js, Express for the server, MongoDB for database storage, Google API for extensions, and OAuth for authentication

### BOBAFUL

*Web Application*

*January 2021 - February 2021*

- Collaborated in a team of 3 to develop a website for a small local business named Bobaful that allows users to create accounts and make orders for Bobaful's current products.
- Helped on developing both the frontend and backend of the application
- Implemented using technologies such as: Typescript, React, Chakra UI, Nextjs, GraphQL, MongoDB, Apollo, Urql, Express

### LOOKING FOR GROUP

*Web Application - Built at IvyHacks 2020*

*October 2020*

- Collaborated in a team of 4 to create a web application that allows users to create or join groups to network or play games with others using React.js.
- Succeeded in fully implementing Google Firebase and Google Firestore functionality for the backend
- Launched the website using Firebase hosting for deployment

### TRIEULOO TWITTER TRACKER

*Twitter bot - Won Hacking with AWS at SillyHacks 2020*

*September 2020*

- Headed a team of 3 to create a Twitter bot using Node.js, the Riot Games API to retrieve statistics, and Amazon AWS (EC2) to host the bot
- Coded the tweeting functionality of the bot, using the twit node package and added database functionality with the nedb node package
- Handled the deployment of the bot using Amazon AWS (EC2) by the means of FTP

## SKILLS

- Coding languages: Java, Javascript, Typescript, Python
- Technologies: HTML, CSS, Google Firebase/Firestore, GraphQL, MongoDB, Node.js, React.js