Kyle Jew

28010 Audrey Smith Ln • (408) 963-3346 • kjew2@illinois.edu • linkedin.com/in/kylejew/

Education

University of Illinois Urbana-Champaign *August 2017 - May 2021*

Degree: Bachelors of Science in Computer Science

GPA: 3.81/4.0

***Skills*:** Java, Python, C++, C, SQL, JavaScript, CSS, Node.js, React, React Native, Data Structures, Algorithms

Work Experience

University of Illinois *January 2020 - Dec 2020*

Course Developer

- Added python coding questions to question database and formatted yaml pages for class website
- Wrote and tested autograder code
- Assisted in lab section instruction and answered students' Python related questions

Kite *January 2020 - April 2020*

Code Curator

- Designed pages with code snippets for python tutorials with over 15 tutorials live on Kite website

Lively Impact *June 2019 - August 2019*

Software Development Intern

- Used neural networks to apply image transformations and generate artwork
- Created Django and React based web app to allow users to test machine learning models on images

Projects

Basketball Analytics Mobile App *December 2020 - Present*

- A predictive analytics app for visualizing player data and estimating trajectories on a mobile platform
- API written in Python with MongoDB backend and React Native frontend
- Implemented K-nearest neighbor for estimating a player's future contributions based on past data
- Rendered graphs for each player that also display similar players and projected stats
- Designed and implemented UI to support queries, graphs, and search history

Buddy Mobile App *August 2020 - December 2020*

- A tool that helps users find plants that fit a their needs and offers smart care assistance
- Written in Javascript using React Native framework and React Native Paper library with SQL-backend
- Created dropdown filter with global state to store users choices after menu is collapsed
- Wrote algorithm for advanced search functionality based on dropdown states and text input

Stock Tracking Web App *June 2020 - August 2020*

- A fantasy stock trading platform with build in trading assistance and social aspect
- Written with Python, Django and MySQL
- Created a stock scoring algorithm, and pulled data from social media to gauge stock sentiment
- Created text sentiment classifier using perceptron network to assist in stock recommendations
- Developed algorithm to query stocks by score and sentiment and created view to display results
- Collaborated with team to develop Database schema to scale and allow additional features