Evan Ng
(818) 281-0605
Email: evanwng21@gmail.com Linked In: https://www.linkedin.com/in/evan-ng-697973278/ Github: https://github.com/EvanNg21

EDUCATION

California University State Fullerton, B.S. in Computer Science **Fall 2021- Spring 2025**

- Association for Computer Machinery Member
- FullyHacks 2025 Hackathon Best Beginner Project Winners
  - CapyCleanGo!, A mobile app centered around sustainability which motivates people to help pick up trash.
  - The app has the user take pictures of themselves throwing away trash where a trained model will be able to recognise a hand, trash, and trash-bin which will give the user points.

WORK EXPERIENCE

CSUF Division One Baseball, Data Analyst **Fall 2024**

- Recorded real time pitching, batting and ball speeds from players using a Trackman doppler radar to further analyze data, such as speed, velocity, spin rate, vertical / horizontal movement, release height, strike zone location, etc.
- Utilized csv files with R for advanced statistical analysis of player performance metrics, providing coaches and management with important insights for player development and game strategy.
  - Created data visualizations in R to provide real-time insights into player performance trends and team progress
  - Incorporated visualization plots into R shiny apps for ease and organized use of plots that can filter strike zone plots for individual pitchers, dates, and pitch types.
- Gathered pitching stats such as speed, velocity, spin rate, vertical / horizontal movement, release height, strike zone location, etc.
- Developed a machine learning model using SciKit Learn in python to predict pitch types based on certain parameters.
  - Gathered Trackman CSV data to feed the model inputs such as pitch velocity, vertical and horizontal break, strike-zone location, and spin.
  - Trained the model with a wide range of different pitches and pitchers. Using a random forest algorithm to train the model seemed to be the most efficient.

PERSONAL PROJECTS

Univengage, Club Website **Spring 2025**

- Full-Stack Development of a SaaS like website using a React front-end and Ruby on Rails back-end, which consists of using and managing GitHub, HTML, JavaScript, CSS, SQLite, and Ruby.
- Worked on developing proposals and the product with a team in the CSUN Bull Ring competition to create a top contender innovation.
- Engineered custom API routes to facilitate data retrieval and transmission between the React front-end and Ruby on Rails back-end.
- The aim is to create a user-friendly platform to connect students with campus clubs and events, enhancing engagement and community involvement.
- Students are able to create accounts and edit profiles so they can join or create and manage clubs. Clubs are able to create posts and events to attract students and interact with current members.

University Database Website **Spring 2024**.

- Planned a relational database schema and an entity-relational database model in preparation for implementing the data into the actual SQL database.
- Developed the frontend of the website using html allowing users to easily navigate and see certain data.
- Built the backend of the website using PHP to connect to the previously created database allowing display of database information.
- Users are able to input professor id, course id, or student id to see various data.
- Information provided includes professor information and classes teaching, different courses and it section information, and student information such as grades.

Development of a Discord Bot- https://github.com/EvanNg21/bbcat-bot **Summer 2023**

- Leveraged JavaScript and Node for bot development
- Incorporating of different APIs in order to get various data
- Implementation of fun and admin commands including polls, games and message management
  - Weather command that gives real-time weather information at a specified location including temperature, wind, humidity, UV level, and cloud cover.
  - A player information command that uses the Riot Games API to retrieve player data such as rank in any game mode, level, past games, and detailed stats of those games.