

Nigel Fang

Los Angeles Area

Mobile: (626) 991 - 0359

nigel.fang00@gmail.com | <https://nigelfang.github.io> | <https://www.linkedin.com/in/nigel-fang/>

EDUCATION

BSc, Computer Science, Graduating May 2024

California State Polytechnic University – Pomona, Pomona

GPA: 3.48 / 4.0

Dean's List Award Recipient

Student Athlete and Officer, Bronco Lifting

WORK EXPERIENCE

Full-Stack Web Developer, Freelance

- Created custom website for user incorporating company logo and usable message system.
- Improved responsiveness and reduced operation costs by optimizing server host configuration
- Optimized website performance by compressing image loading which improved load times by 40%
- Improved security by implementing Google Captcha API which reduced spam emails by 95%

PROJECTS

Spotify Song Recommendation Web App | HTML/CSS, TypeScript

- Designed and developed a user-friendly web application that uses Spotify's REST API service to generate song recommendations
- Developed dynamic UI components that allow users to input preferences and receive real-time feedback
- Integrated OAuth 2.0 authentication using Spotify's PKCE authorization flow to ensure data privacy
- Utilized the Spotify API to recommend the desired songs given the user's many customizable features

Unify AI Open Source | Python | <https://github.com/unifyai/ivy>

- Implemented front end wrapper functions that allow users to use pooling functions from PaddlePaddle in the Unify framework
- Developed and implemented the unit tests for all implemented functions to be used in production
- Collaborated with a global team of developers during contribution for code reviews to push implementations to production
- Contributed to the project's [documentation](#) by writing detailed explanations of function signature and usage
- Handled version control and CI/CD with GitHub by using pull request for code review

CPP Enrollment System Program | Java, MySQL, PostgreSQL, XAMPP

- Mimicked the enrollment system at Cal Poly Pomona and saved individual users to local database
- Developed the data pipeline that transferred information from the local database to the GUI using Java with Postgres and MySQL connections as the solutions to the backend implementation problem
- Designed unit tests and developed for each pipeline function to allow for smooth integration
- Practiced Agile development methodology using Git, DrawIO, Balsamiq, and Astah to create a functional system and mimic Software Engineering practices

TECHNICAL SKILLS

- Java, Python, C++, C, MATLAB, SQL, JavaScript, Git, React
- Full Stack, CI/CD, Linux, Agile, Scrum, SDLC, SQLite, MySQL, XAMPP,