





ZHIHUI XU

SOFTWARE DEVELOPER

CONTACT

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-  2613 Amherst Ave Fullerton CA 92831

SKILLS

Programming languages: C++, java, python, C#
Frameworks and libraries: React, Vue.js, Django, Ruby, .NET, etc
Data structures and algorithms
Database management: Mysql and NOSql
Version control
testing and debugging
Problem-solving
collaboration
Time management

EDUCATION

bachelor degree

california state university, fullerton

2021-2023

study though Computer Science

associate degree

Fullerton College

2015-2021

study of Computer Science and Mathematics Major

LANGUAGES

Chinese 

English 

PROFILE

As a highly motivated and dedicated Computer Science student at California State University, Fullerton (CSUF), I am currently pursuing a Bachelor of Science degree with an expected graduation date of August 2023. I have consistently demonstrated academic excellence on the Decellence, earning a pla' List and receiving the CSUF Computer Science Department Scholarship. Proficient in Java, Python, and C++, I also have experience with web technologies such as JavaScript, HTML, and CSS. Adept at problem-solving and collaboration, I am eager to apply my skills in real-world projects and internships, further expanding my expertise in software development and contributing to the success of the organization.

WORK EXPERIENCE

Data Collection and Analysis intern

Shanghai Jiadao Information Technology

2015 May-August

Address: 29th Floor, Building 4, Lane 600, Tianshan Road, Changning District, Shanghai, China

- Assisted the data science team in collecting and cleaning large datasets from various sources, including web scraping, APIs, and manual data entry, ensuring data quality and integrity.
- Performed exploratory data analysis using Python libraries such as Pandas, NumPy, and Matplotlib to identify trends, patterns, and potential anomalies in the data.
- Preprocessed and transformed data by handling missing values, outliers, and normalization to prepare datasets for further analysis and machine learning algorithms.
- Collaborated with cross-functional teams to understand business requirements and translate them into actionable insights using data visualization tools such as Tableau and Power BI.
- Conducted statistical analysis and hypothesis testing using statistical techniques like linear regression, t-tests, and chi-squared tests to support data-driven decision making.
- Assisted in the development and validation of predictive models using machine learning techniques, including decision trees, clustering, and neural networks, to improve business processes and predict customer behavior.
- Documented and presented data analysis findings, actionable insights, and recommendations to stakeholders through clear and concise reports and presentations.
- Participated in regular team meetings to share progress, discuss challenges, and brainstorm solutions, contributing to a collaborative and positive work environment.

Quality Assurance (remote)

Shanghai Jiadao Information Technology





2020 May-2021 March

- Developed and executed comprehensive test plans and test cases, ensuring thorough coverage of functional and non-functional requirements, leading to a 15% reduction in reported issues post-release.
- Collaborated with cross-functional teams, including developers and product managers, to identify and resolve defects efficiently, improving overall product quality and reducing the average defect resolution time by 25%.
- Implemented automated testing solutions using tools like Selenium and JUnit, which reduced manual testing efforts by 40% and increased test coverage, resulting in fewer defects in production environments.

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EXPERTISE

C++, java, python, C#

Machine Learning, process mining, Data Analytics

AWS, Azure, google cloud

HTML, CSS, JavaScript, react, Vue, php

Django, Xampp, ASP.NET, Spring Boot

Swift, Kotlin, Android Studio, Xamarin

Mysql, MongoDB, Redis



Unity, unreal engine, pygame

project management



microsoft office editing

REFERENCES

Bin Xu

-  +86 13901723832
-  xubin@lujingdata.com

Lisa Xue

-  714-307-0566
-  yxue@cpp.edu

PROJECT EXPERIENCE

Graduation Project

github.com/xuzhihuiCSY/dailyWeb

2023 Spring

DailyWeb is a feature-rich web application that I developed using the Django framework, providing users with an interactive platform for sharing music and video content, accessing news and weather updates, engaging in real-time chat, and participating in games.

Key features and accomplishments of the project include:

- Music and Video Upload: Implemented a secure and user-friendly interface allowing users to upload their music and video files to the server. Utilized Django's built-in file handling capabilities to store and manage uploaded content efficiently.
- News and Weather API Integration: Integrated third-party APIs to fetch real-time news and weather updates, providing users with relevant and up-to-date information tailored to their preferences and location.
- Lucky Wheel and Chess Games: Developed interactive games, including a Lucky Wheel and Chess, using JavaScript to enhance the user experience and encourage user engagement on the platform.
- Real-Time Chatting: Implemented a real-time chatting feature using Django Channels and Redis to handle WebSocket connections, allowing users to communicate with each other instantly and enhancing the platform's social aspect.
- Responsive Design: Ensured the web application was visually appealing and accessible across different devices and screen sizes using HTML and CSS.
- This project showcases my skills in Django, JavaScript, and API integration, along with my ability to create engaging and interactive web applications that cater to diverse user needs.

MedProLink

github.com/xuzhihuiCSY/MedProLink_DB

2023 April

MedProLink is a custom web application that I developed using the XAMPP stack, designed specifically for hospital professionals. It serves as a contact platform for doctors and medical providers to connect, communicate, and collaborate with each other more efficiently. The application leverages PHP and MySQL for backend functionality, while AJAX is used to implement real-time chatting features.

Key features and accomplishments of the project include:

- User Management: Created a user registration and authentication system for doctors and medical providers using PHP and MySQL, ensuring secure access to the platform's features and functionalities.
- Searchable Directory: Developed a searchable directory of users, allowing medical professionals to find and connect with colleagues based on their titles, specialties, or other relevant criteria.
- Real-Time Chatting: Implemented a real-time chat feature using AJAX to enable seamless communication between doctors and medical providers, fostering collaboration and information exchange within the hospital environment.
- Responsive Design: Employed HTML and CSS to ensure that the application's user interface was visually appealing, user-friendly, and accessible across different devices and screen sizes.
- Scalable Architecture: Designed the application with a scalable architecture in mind, allowing for the seamless addition of new features and functionality as required by the evolving needs of the hospital and its staff.

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TO WHOM IT MAY CONCERN,

I am writing to submit my application for a position at your esteemed organization. As a highly motivated and dedicated Computer Science student at California State University, Fullerton (CSUF), I am currently pursuing a Bachelor of Science degree with an expected graduation date of May 2024. I have consistently demonstrated academic excellence, earning a place on the Dean's List and receiving the CSUF Computer Science Department Scholarship.

Throughout my academic journey, I have honed my skills in a variety of programming languages, such as Java, Python, and C++, and have gained experience with web technologies like JavaScript, HTML, and CSS. I have also completed several projects showcase my ability to create engaging and interactive web applications using frameworks like Django and XAMPP.

One of my notable projects, DailyWeb, is a feature-rich web application developed using the Django framework, which provides users with an interactive platform for sharing music and video content, accessing news and weather updates, engaging in real-time chat, and participating in games. Another project, MedProLink, is a custom web application designed specifically for hospital professionals, serving as a contact platform for doctors and medical providers to connect, communicate, and collaborate using PHP, MySQL, and AJAX.

My experience extends beyond technical knowledge, as I have also cultivated valuable soft skills, such as problem-solving, teamwork, and adaptability. I am eager to apply my skills in real-world projects and internships, further expanding my expertise in software development contributing to the success of your organization.

I have attached my resume, which provides more details about my academic background, skills, and projects. I would be grateful for the opportunity to discuss my candidacy further in an interview. Please feel free to contact me at your earliest convenience. considering my application.

SINCERELY,

ZHIHUI XU
