

Zhihui Xu

Phone: (714)515-2458 Email: xuzhihuicreateat@gmail.com

LinkedIn: www.linkedin.com/in/zhihui-xu-27ba65258/ Address: Mountlake terrace, WA

EDUCATION

- Northeastern University – Master of Computer and Information Science Jan. 2025 – Present
- California State University-Fullerton - Bachelor of Science in Computer Science Aug. 2021 – Aug 2023
- Fullerton College - Associate Degree in Computer Science Aug. 2016 – May 2021

RELEVANT COURSEWORK

Associate:	• Object-Oriented Programming	• Java Programming	• Assembly Language	• Data Structures
	• Mathematical Structures	• Algorithm Engineering	• Cybersecurity Foundations and Principles	
Bachelor:	• Artificial Intelligence	• Database and Applications	• Web Back-end engineering	• Blockchain Technology
	• Algorithm Engineering	• Introduction to Machine Learning	• File-Structure&Database	
Master:	• Machine Learning	• Natural Language Process	• Database Management sys	

CERTIFICATIONS

- Google Data Analytics Professional Certificate Oct 27, 2023

WORK EXPERIENCE

Software Developer

Edgelink Services LLC – May 2022 – Nov. 2023

- design and implementation of StockItupcs.com, a stock analysis platform with RESTful APIs and interactive dashboards.
- Architected a modular backend and designed a PostgreSQL schema; migrated data from SQLite to PostgreSQL, reducing query time by 40%.
- Built secure authentication, Stripe payments, and messaging; integrated ML pipelines (TensorFlow/scikit-learn) and deployed with Azure, Docker, and NGINX.

Summer Intern

1928 Tap & Grill Catering Co. – Jun. 2023 – Aug. 2023

- Developed an electronic menu and inventory management system for alcoholic beverages using Django.
- Implemented CRUD workflows, admin tools, and low-stock alerts to streamline inventory updates and reduce manual tracking.

Web Developer

CRADI MEDTECH – Dec. 2023 – Oct. 2024

- Co-designed and implemented the front-end for CRADI MEDTECH's official website (<https://www.cradihg.com/>).
- Focused on responsive **frontend** implementation and **UI enhancement** using HTML, CSS, and JavaScript.
- Worked with designers and backend engineers to ensure seamless integration and optimized user experience.

Quality Assurance Analyst intern

Shanghai Jiadao Information Technology – June 2021 – Nov. 2021

- Utilized **Selenium for automated testing** and Excel for test result tracking and analysis.
- Identified, documented, and presented bugs and usability issues, improving product quality and reliability.
- Collaborated** with developers to verify fixes and support ongoing QA processes.

PROJECTS

Local Multiplayer Shooter (Unity) -

GitHub: [xuzhihuiCSY/LocalMultiPlayerShootingGame](https://github.com/xuzhihuiCSY/LocalMultiPlayerShootingGame) Jan 2025 – Present

- Built a networked 3D survival shooter in Unity (C#) using Netcode for GameObjects; synchronized movement, shooting, and respawn.
- Implemented server-authoritative NavMesh AI and spawn balancing; added real-time UI (health, dialogue) across clients.

xuzhihui-resume.com - Personal Portfolio

Nov 2024 – Present

- Built and deployed a responsive portfolio using Django, React, and Tailwind CSS on AWS EC2.
- Added secure auth, REST APIs (tech/weather), and a visitor analytics dashboard; maintained CI/CD and monitoring.

PPT Agent (PDF-to-PowerPoint) - LangGraph + Ollama

GitHub:[xuzhihuiCSY/pptBuilder](https://github.com/xuzhihuiCSY/pptBuilder) 2024 – Present

- Created a local pipeline to parse PDFs, summarize content, generate slide outlines, and render PPTX decks.
- Implemented a Kivy desktop runner, strict JSON outline validation, and fallback build logic with verbose tracing.

AdvSnakeGame (Godot 4)

[github: xuzhihuiCSY/advSnakeGame/releases/tag/v1](https://github.com/xuzhihuiCSY/advSnakeGame/releases/tag/v1) - Mobile Snake Game 2024

- Developed a playable and downloadable auto-rotating Snake game with touch controls, 8-direction movement, and portrait-mode UX in android mobile game

SKILLS

Languages: Python, HTML/CSS, JavaScript, C#, C++, SQL, R, Java

Cloud Platforms: AWS, AzureDeveloper

Libraris: Pandas, NumPy, Matplotlib, Tensorflow, etc.

Frameworks: React, Django, Flask, ASP.NET, Kivy

Tools: Git, Docker, VSCode, Unity, WordPress, Xampp, FastAPI