

# Xiyuan Wu

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## EDUCATION

### University of California, Riverside

Sep 2022 - Jun 2026

*Bachelor of Science in Computer Science (GPA: 3.3 / 4.0)*

*Riverside, CA*

- **Relevant Coursework:** Data Structure and Algorithm, Software Engineering, Database Management, Compiler Design, Information Retrieval, AI & Machine Learning, Natural Language Processing(NLP)

## EXPERIENCE

### Zetheta

May 2026 – June 2026

*Software Engineer Intern*

*Remote, CA*

- Developed a production-style 8-step loan application platform supporting three loan types by implementing dynamic form rendering and cross-step state management across 50+ fields using React and React Hook Form.
- Simplified complex loan application workflows by implementing real-time validation, conditional field rendering, and auto-save/resume functionality using Zod, React Hook Form, and browser storage.
- Improved frontend maintainability and user experience by building reusable React components for document uploads, e-signature capture, and responsive form interactions.

### ACM@UCR

Mar 2024 – Dec 2025

*Web Developer*

*Riverside, CA*

- Developed static websites for UCR student organizations using React and Tailwind CSS.
- Collaborated in a team of 9 developers, attending weekly scrum meetings to align on project goals, troubleshoot design challenges, and enhance team coordination.

## SKILLS

**Certifications:** Meta Full Stack Developer(Coursera), Meta React Native(Coursera)

**Programming Languages:** Python, C++, JavaScript, React, React Native, TypeScript, HTML, CSS, SQL

**Artificial intelligence:** RAG, LangChain, LangGraph, ChromaDB, ChatGPT, Gemini, Codex, Claude Code, LLM

**Technologies:** Django, REST APIs, Node.js, Next.js, TailwindCSS, SQLite, Google Cloud, MongoDB, Railway, Vercel

**Libraries:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, XGBoost, TensorFlow, PyTorch

**Dev Tools:** VSCode, Cursor, Git/Github, Github Action, Jupyter Notebook, Pytest, GTest, CMake, Figma

## PROJECTS

### ResearchAI | Python, Django, Google Gemini API, RAG, LangChain, LangGraph, ChromaDB

📅 Sep 2026

- Built a Django/Gemini AI research assistant with multi-turn conversation memory, persistent chat history, file uploads, Markdown responses, and dynamic tool calling.
- Implemented RAG manually and with LangChain, using document chunking, Gemini embeddings, ChromaDB vector search, and context-aware retrieval.
- Built a LangGraph agent workflow with retrieval, tool execution, conditional routing, iterative model-tool loops, and bounded stop conditions.

### CardSense | Figma, React, React Native, Tailwind CSS, Django, Gemini API

📅 Sep 2025 - Dec 2025

- Built a cross-platform budgeting and credit-card rewards platform with a shared Django REST backend, React web client, and React Native mobile client.
- Developed REST APIs and backend services for transaction management, spending analysis, reward optimization, and identification of the highest-value credit card for each purchase.
- Integrated an Gemini API powered financial assistant that uses user transaction history and card reward rules to answer spending questions, summarize budget trends, and recommend optimal card usage.

### Resource Map UCR(Citrushack 2026) | React, Tailwind CSS

📅 Apr 2026

- Built a web-based campus resource mapping application during a 24-hour hackathon, enabling users to discover and navigate services at UC Riverside.
- Implemented interactive map features and structured resource data for efficient retrieval and display, improving accessibility of campus information.

*No sponsorship required: Green card holder*