

Christine Xu

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EXPERIENCE

CUESHUB | SWE AND APP DEVELOPMENT INTERN

July 2025 – Present | Memphis, TN

- Designed and built a modular Flutter app architecture with dynamic calendar integration, local storage to support real-time health features, and an AI insights engine that boosted engagement by **40%**.
- Simulated personalized future scenarios using user input, task trends, and health data to project lifestyle trajectories and outcomes.
- Built a lightweight habit forecasting engine using time series patterns and activity history to predict task success likelihood and recommend nudges.

ORACODE | SWE AND APP DEVELOPMENT INTERN

July 2025 – Present

- Led Flutter development over a 50 person dev team** for an offline-first educational app with routing, state, and theming.
- Built game and sandbox modes using custom **Blockly** logic for real-time simulations.
- Developed on-device NLP for multilingual support and smart AI feedback.

PROJECTS

FLUFFI | FOUNDER AND DEVELOPER

May 2025 – Present

- Engineered an AI-powered app to simulate future memory needs using on-device NLP and behavioral embeddings; optimized for **10,000+** entries with **sub-500ms** recall latency.
- Built a recall forecasting engine that predicted memory needs with **85%** accuracy in user testing, reducing cognitive load by **30%** via smart resurfacing prompts.

CAD-DRIVEN XR SIMULATION ENGINE FOR NASA

MISSIONS | SOFTWARE DEVELOPER AND PUBLISHED CO-AUTHOR

Jan 2025 – May 2025 | West Lafayette, IN

- Built a real-time XR astronaut training simulation in Unreal Engine, optimizing CAD models for Meta Quest and scripting procedures in Blueprints with **<5%** frame drop.
- IEEE Publication:** Ch. Mingsuwan, L. Desano, B. Garcia, J. Agarwal, J. Ong, A. Sanchez, **C. Xu**, S. Cawthon, C. Lian, A. Prathap, C. Wood, and H. Nyberg, "Foundations of a Visualization Tool for NASA Gateway and Lunar Surface Operations," in Proc. SMC-ITSCC, 2025.

AURA | FOUNDER AND DEVELOPER

June 2025 – Present

- Built an ML-powered dashboard using **FRED** and **FX APIs** to analyze macro trends, credit risks, and user alerts; scaled to **50,000+** data points daily across 3 asset classes.
- Engineered an **autonomous AI system** with modular agents and explainable logic for credit and compliance decisions; cut manual review time by **60%** while maintaining transparency and control.

EDUCATION

PURDUE UNIVERSITY

BACHELOR OF SCIENCE IN
COMPUTER SCIENCE AND ARTIFICIAL
INTELLIGENCE

Expected May 2028 | West Lafayette,
IN

SKILLS

PROGRAMMING LANGUAGES

Proficient:

Python • Java • Dart

Experienced:

C • Javascript • HTML/CSS

Familiar:

SQL • Bash

FRAMEWORKS & TOOLS

Flutter • Firebase • Hive • REST APIs •
Git • Linux • ROS • Node.js • Unreal
Engine • React

AI/ML TECHNOLOGIES

On-device ML • NLP • NLG • Semantic
Search • Multi-Agent Systems •
Explainable AI (XAI) • TensorFlow Lite •
scikit-learn

COURSEWORK

UNDERGRADUATE

Intro to Machine Learning
Microsoft AI & ML Engineering
Data Structures
Programming in C
Python Programming
Object-Oriented Programming
Discrete Math
Linear Algebra

LEADERSHIP &

HONORS

Purdue Student Government -
Technology Director
Gamma Phi Beta - Academic and
Scholarship Officer
Dean's List
National Merit Scholarship Commended

LINKS

GitHub:// [tinexu](#)

LinkedIn:// [christinexu1211](#)