

Jasmine Shi

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EDUCATION

Carnegie Mellon University | **B.S. in Information Systems**, Additional Major in Human-Computer Interaction May. 2027
GPA: 3.72 | Courses: User-Centered Research & Evaluation · Service Design · Digital Service Innovation · Database Design · Design of AI Products
Awards: Dean's List (Fall 2023, Fall 2024, Spring 2025)

RESEARCH

Independent Researcher | **AI and Student Motivation, Carnegie Mellon University** May. 2025 – Present

- Research project comparing RAG chatbot vs. teachable agent to study effects on motivation and learning outcomes
- Contributed through weekly scrum-style meetings, progress tracking, and proposal writing; supported experiment design, requirements documentation, and roadmap alignment with collaborators

Research Assistant | **Social AI Group, Carnegie Mellon University** Apr. 2025 – Present

- Built an end-to-end VR/AR interaction stack: authored Unity scene flows/UI and instrumented telemetry (C#/Unity, SQL/BigQuery/Sheets); engineered a distributed BigQuery ETL capturing 6k+ events to monitor KPIs and data integrity
- Ran participant ops (90+ sessions, 40+ participants) and usability sessions; synthesized insights into UX/performance fixes and drove cross-team reporting; second author on a CHI 2026 paper (under review)

Research Assistant | **Variability Lab, Carnegie Mellon University** Jan. 2025 – Present

- Implemented Mixed-methods (Tobii, surveys, speech) with 20+ sessions to improve accessible dev tools for BLV developers
- Converted insights into interaction choices for Facilitating Autistic Workplace Inclusion through Technology

PROJECT

Founder & UX/Product Designer | **SelfCraft, Project Olympus** May. 2025 – Present

- Led end-to-end UX (discovery, wireframes, hi-fi in Figma) for an AI self-coaching tool; ran 20+ interviews/usability sessions, built navigation components & a lightweight design system, and produced HTML/CSS specs for handoff
- Drove Agile delivery (JIRA backlog, sprints, release planning) and accessibility fixes; shipped pilot prototypes and improved SUS & time-on-task in follow-up tests, preparing a Spring 2026 beta.

AI Product Designer | **Design of Artificial Intelligence Products (05-317)** Jan. – May. 2025

- Applied AI product matchmaking to produce 1 PRD, 14 user stories, and IA/interaction patterns with clear acceptance criteria.
- Designed and prototyped AI-powered interfaces with user control and market viability considerations that later informed the concept for a startup project

Product Designer | **Interaction Design Fundamentals (05-360)** Jan. – May. 2025

- Interviewed 16 users; produced 3 journey maps and 7 scenarios; built low-fi (cardboard) models and hi-fi Figma screens
- Scoped and prioritized 12 features for an e-bike with a CS/HCI team; aligned technical feasibility with user needs via trade-off docs and acceptance criteria

Full-Stack Developer | **Application Design and Development (67-272)** Jan. – May. 2025

- Built a Ruby on Rails app end-to-end: 12 REST endpoints, 6 models/8 tables, auth/session, validations, and 15+ UI views;
- Built custom database tables, fields, and relationships to support application functionality, ensuring seamless integration between UI components and server-side logic.

Backend Developer | **Fundamentals of Software Engineering (17-313)** Sep. – Dec. 2024

- Shipped backend tag-management features to NodeBB; wrote unit tests and passed all SonarCloud checks.
- Debugged YAML/plugin configuration and 5 edge cases; resolved 8 issues through peer code reviews and CI runs, improving maintainability and reliability. 5+ PRs merged, added 4 routes and schema tweaks

SKILLS

System: BigQuery | PostgreSQL | Data Structures & Algorithms | OOP/OOD | REST APIs | Microservices | Unit Testing | Git

Technical: Python | Java | JavaScript | TypeScript | SQL | Ruby | React | Node.js | C# | Ruby on Rails | HTML5 | CSS3

PM: Agile | Scrum | Waterfall | Product Roadmapping | JIRA | Stakeholder Communication | Metrics | Data-driven Decisions

Design: User Research | Human-Centered Design | Journey Mapping | Prototyping & Usability Testing | Information Architecture

Certifications: CITI Program | Social & Behavioral Research (Basic), Completed May 2025, Expires May 2028;

| Responsible Conduct of Research (Social/Behavioral), Completed May 2025