

# SHIRLEY XU

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## PROFESSIONAL SUMMARY

Digital media designer & front-end developer focused on healthcare and mental health. Blend UI/UX research, illustration, and data visualization with modern React/TypeScript stacks to ship fast, accessible products.

## EXPERIENCE

**Golnvo** — Digital Media Designer & Developer | Waltham, MA | Sept 2023 – Present

- Built two responsive web apps from Figma exports: a character-driven conversational UI with audio and an interactive hotspot map with motion.
- Created reusable component libraries and dual-layout systems; advanced state management with React 18, TypeScript, Tailwind CSS, Framer Motion, Vite, Storybook.
- Delivered a new responsive homepage and site-wide image optimization.
- Shipped an NDA prototype; drove UX architecture, flows, visual design, and technical diagrams.
- Produced accessible illustrations & data viz for mental health and care transitions (508 compliant).

**SnapNotes** — Designer (Equity-based) | Remote | Jul 2024 – Present

- Designed a Next.js prototype for the website redesign to supersede the legacy Flask front-end.
- Built the “new design coming soon” page; contributed early front-end fixes.
- Partnered with developers and therapists to improve clinical UX and workflows.

**Tomeato Studios** — Game Developer | Keene, NH | Mar 2022 – Sept 2023

- Built high-performance Godot 4.1 GDExtensions in C++; compute shaders and octrees for scale.
- Implemented in-house ECS, GPU instancing, enemy AI, and UI (inventory, crafting, formations, skill tree).

**Dell EMC** — Escalation Engineer | Hopkinton, MA | May 2019 – Aug 2019

- Automated triage of thousands of storage array outputs with Perl scripts (NGTRiiAGE).
- Supported RAID-based storage pools and stability checks via Linux CLI.

## SELECTED PROJECTS

OSMI Mental Health Visualization — Interactive D3.js experience with temporal slider, sortable criteria, and color scales to explore workplace wellness data.

## SKILLS

Frontend: Next.js, React 18, TypeScript, Tailwind CSS, Framer Motion, Storybook, Vite, Gatsby.js

Design/UX: Figma, Wireframing & Flows, Design Systems, Interactive Prototyping, Accessibility & 508 Compliance, Illustration, Data Visualization (D3.js)

Other: Python, Java, C++, Git, Linux, Docker, AWS, SQL, Adobe Illustrator, Affinity Designer, Photoshop/After Effects, Blender 3D

## EDUCATION

Brandeis University — MS, Bioinformatics; University of Massachusetts — BS, Computer Science; Minor: Linguistics