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**

**GoInvo** — 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