Personal Portfolio Website
Role: Designer & Developer
Timeline: April - June 2025
Type: Personal Project

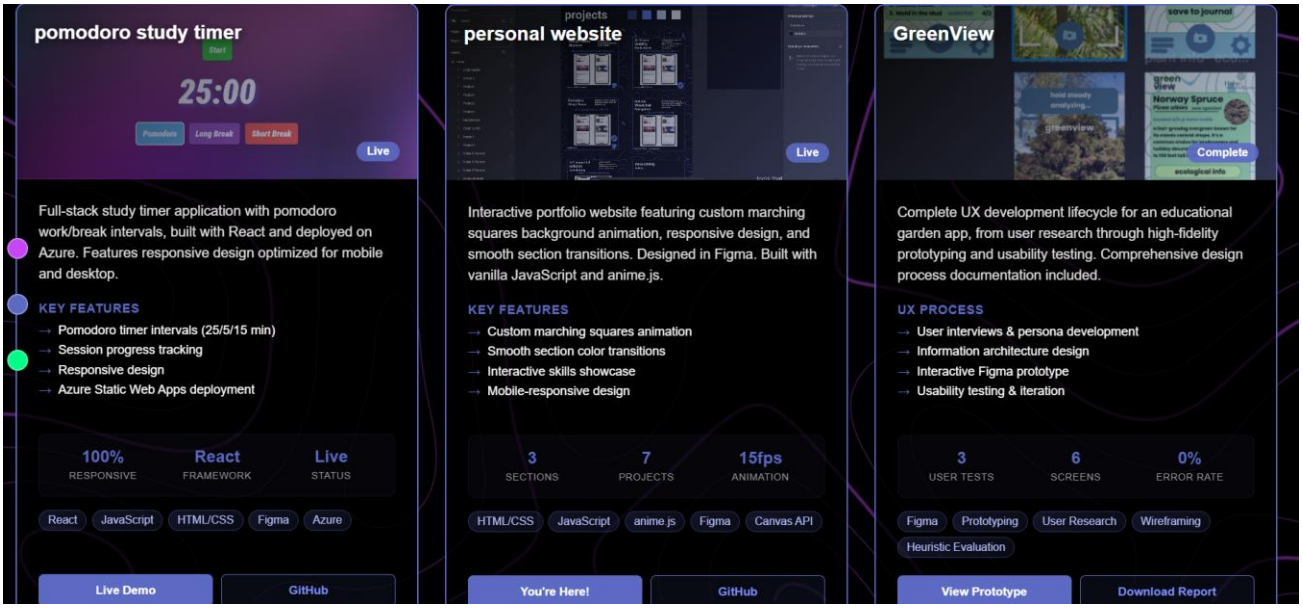
Project Overview
Interactive portfolio website designed specifically for recruiters to quickly understand my interests, skills, and experience. Focused on creating a scannable, readable interface without sacrificing depth of information, recognizing that recruiters often quickly scan portfolios due to high application volumes.

Phase 1: Research & Analysis
While no formal user research was conducted, I analyzed existing portfolio examples to identify key design principles and best practices for developer portfolios.
Key Insights
- **Progressive Disclosure:** Essential for managing information density
- **Scannability:** Clear visual hierarchy and rapid information processing
- **Aesthetic Design:** Consistent design language and visual cohesion

Phase 2: Design & Iteration
The design underwent significant iteration based on both personal reflection and community feedback.
Major Design Decisions
- **Background Animation:** Originally planned 3 separate animations, simplified to single marching squares algorithm for cohesive design
- **Project Cards:** 5+ iterations focused on readability and information hierarchy
- **Hero Section:** Redesigned for visual consistency with overall design language

Community Feedback Integration
Gathered feedback through 2 sessions with Reddit and Discord community members, leading to key improvements:

- **Contrast Enhancement:** Improved button and About Me section contrast
- **Progressive Disclosure:** Added detailed project overlays
- **Element Consistency:** Unified sizing and scaling across components


pomodoro study timer
Start
25:00
Pomodoro
Long Break
Short Break
Live
Full-stack study timer application with pomodoro work/break intervals, built with React and deployed on Azure. Features responsive design optimized for mobile and desktop.
KEY FEATURES
→ Pomodoro timer intervals (25/5/15 min)
→ Session progress tracking
→ Responsive design
→ Azure Static Web Apps deployment
100%
RESPONSIVE
React
FRAMEWORK
Live
STATUS
React
JavaScript
HTML/CSS
Figma
Azure
Live Demo
GitHub
projects
personal website
Live
Interactive portfolio website featuring custom marching squares background animation, responsive design, and smooth section transitions. Designed in Figma. Built with vanilla JavaScript and anime.js.
KEY FEATURES
→ Custom marching squares animation
→ Smooth section color transitions
→ Interactive skills showcase
→ Mobile-responsive design
3
SECTIONS
7
PROJECTS
15fps
ANIMATION
HTML/CSS
JavaScript
anime.js
Figma
Canvas API
You're Here!
GitHub
GreenView
save to journal
hold steady
analysing...
greenview
green view
Norway Spruce
Complete
ecological info
Complete UX development lifecycle for an educational garden app, from user research through high-fidelity prototyping and usability testing. Comprehensive design process documentation included.
UX PROCESS
→ User interviews & persona development
→ Information architecture design
→ Interactive Figma prototype
→ Usability testing & iteration
3
USER TESTS
6
SCREENS
0%
ERROR RATE
Figma
Prototyping
User Research
Wireframing
Heuristic Evaluation
View Prototype
Download Report

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Phase 3: Technical Implementation

Developed custom solutions for performance and responsive design challenges using Figma, VS Code, anime.js, HTML/CSS, and JavaScript.

Technical Challenges & Solutions

- **Performance Optimization:** Marching squares animation optimized for lower-end devices, reducing from 30 fps to 10 fps with decreased resolution
- **Section Transitions:** Custom color-shifting system using HTML data attributes (hex codes) and JavaScript to indicate section changes
- **Responsive Design:** Implemented scalable CSS with media queries (@media min-width: 2560px) for devices ranging from mobile to 4K displays
- **Navigation Evolution:** Replaced problematic menu button with color-coded navigation dots based on user feedback

Key Technical Features

- Custom marching squares background animation (AI-implemented algorithm)
- Dynamic color transitions between sections
- Responsive design supporting multiple screen sizes
- Interactive project cards with overlay system

Phase 4: Testing & Refinement

Informal user testing revealed navigation and scaling issues, leading to final refinements.

Key Changes

- Increased contrast of buttons in default states
- Progressive disclosure of hybrid UX/Development projects
- Increased contrast of text in about me section

Metrics

- **Iterations:** 5+ project card redesigns
- **Performance:** Optimized from 30fps to 10fps for broader device compatibility
- **Feedback Sessions:** 2 community feedback rounds
- **Responsive Support:** Mobile to 4K+ displays

Reflection

This project reinforced the importance of iteration and community feedback in design. The biggest challenge was balancing visual appeal with performance across different devices. The custom marching squares animation and section-based color transitions create a unique, cohesive experience while maintaining the scannability crucial for recruiter review. The progressive disclosure approach successfully manages information density while providing depth for interested viewers.