Matthew McMurray

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EDUCATION

UNIVERSITY OF CONNECTICUT, College of Engineering — **Storrs, CT**
B.S. in Computer Science — *August 2021–May 2025*

PROFESSIONAL EXPERIENCE

SYNCHRONY FINANCIAL — **Stamford, CT**
Software Development Engineer — *July 2025–Present*
Business Leadership Program Intern — *June 2024–August 2024*

- Led the frontend redesign and migration of legacy Windows-based credit decisioning tools into intuitive, responsive React web apps integrated with REST APIs, adding personalization and role-based access control for tooling that supports 1,000–3,000 credit applications daily
- Designed 9 high-fidelity, interactive Figma prototypes that let business stakeholders click through flows like a real app, using their feedback to iterate before shipping to production across the credit engineering and account management organizations
- Integrated AI into the design-to-code workflow, using a Figma MCP server to speed up implementation, an MCP server to update documentation from commit messages, and GitHub Copilot for code and unit tests
- Cut load times by up to 65% with lazy loading and caching, defined responsive resizing and wrapping rules so data-heavy interfaces work on any screen size, and began migrating apps from JavaScript to TypeScript
- Demoed shipped applications organization-wide and engineering-wide, partnering with product owners, UX designers, and backend engineers and taking part in team code reviews (Git, Bitbucket)

UNIVERSITY OF CONNECTICUT — **Storrs, CT**
Design Assistant — *September 2023–May 2025*

- Designed and built an interactive virtual campus tour on Roblox, creating navigable spaces and wayfinding and scripting interactions in Lua for prospective students exploring UConn remotely
- Designed posters and flyers in Photoshop, Illustrator, and InDesign, working with program coordinators and marketing teams to turn requirements into visual concepts aligned with brand guidelines

SKILLS

- **Design:** Figma (prototyping, Dev Mode), Adobe Photoshop, Illustrator, InDesign, Premiere Pro, After Effects
- **Development:** JavaScript, TypeScript, React, Next.js, HTML, CSS, REST APIs, React Native (exploring)
- **Tools & AI:** Git, Bitbucket, GitHub Copilot, Figma MCP server, MCP servers, CloudBees CI/CD, Pivotal Cloud Foundry (PCF), Grafana

CERTIFICATIONS

- Google UX Design Certificate, Coursera (in progress, expected February 2027)
- IBM Enterprise Design Thinking Practitioner