

Matthew DuBois

📍 San Diego, CA ✉ mdubois@thaasa.com 🌐 mdubois.co 🐙 [GitHub](#) 🔗 [LinkedIn](#)

Experience

Founder

thaasa · San Diego, CA · Jan 2024 – Present

Booth at CES 2026

Designed and built thaasa's 10×10 Eureka Park booth at CES 2026: floor plan, signage, product displays, attendee experience.

Sunflower

Connected air quality sensor: three custom PCBs, injection-molded enclosure, SwiftUI app, and an end-to-end encrypted cloud; exhibited at CES 2026.

Stage

iOS badge and business-card scanner for events with an on-device SmoVLM fine-tune and a CRM-synced web dashboard.

thaasa.com

Marketing site with Three.js scenes, scroll-driven animation, and an integrated waiting list (Next.js, React Three Fiber).

Co-founder

ckpnt (CheckPoint Student) · San Diego, CA · Jan 2024 – Present

Booth at NAIS 2025

Designed and built CheckPoint Student's exhibit at the NAIS 2025 Annual Conference, including 3D-rendered visuals and live demos.

CheckPoint Student

NFC campus presence platform used 2,000+ times a day by 400+ students; 1st place, Congressional App Challenge 2024 (CA-50).

ckpnt.com

Marketing site for CheckPoint Student with 3D renderings and custom feature graphics (Next.js, Tailwind).

Engineering Intern

Taoglas · San Diego, CA · Summer 2024

Worked with the mechanical and RF engineering teams at the San Diego headquarters.

Education

University of California, Berkeley

College of Engineering · Berkeley, CA · Expected 2030

La Jolla Country Day School

La Jolla, CA · 2026

Awards

Congressional App Challenge

1st place, California's 50th District (San Diego) · 2024

Refischneider Endowed Award for Leadership, Innovation, and Entrepreneurship

\$4,000 award through La Jolla Country Day School · 2024

Skills

Human interface design Graphic design 3D design & printing Exhibit design

iOS app development Web app development Embedded software development

Machine learning PCB design Design for manufacturing Design-led strategy

Technologies

Next.js PostgreSQL Swift & SwiftUI TypeScript Python React

Tailwind CSS Drizzle ORM PyTorch CoreML Three.js C/C++ Hono

Tools

Autodesk Fusion KiCad Xcode PTC Onshape

Figma Adobe Illustrator Bambu Studio Final Cut Pro