Andrew Do

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EDUCATION

University of Central Florida   **Expected May 2027**
Bachelor of Science, Computer Science   *Orlando, FL*
- **Focuses:** Full-Stack Development, UX/UI Design, Product Design

TECHNICAL SKILLS

Languages: HTML/CSS, JavaScript, TypeScript, C, Java, Python, SQL, PHP
Technologies: React, Svelte, Node.js, Next.js, Express.js, Tailwind CSS, EJS, bcrypt, JWT, MongoDB
Developer Tools: Figma, Git, Vercel, Firebase, Jira, Trello, Lighthouse, Autocannon

EXPERIENCE

Lockheed Martin   July 2025 – Present
Software Engineer Intern   *Orlando, FL*
- Rebuilt a legacy WordPress internal hub website using Svelte, TypeScript, and Tailwind CSS
- Improved load times from ~ 3 seconds to near instant using a single page load architecture
- Established a CI/CD pipeline on GitLab for automated testing and integrated Matomo web analytics
- Engineered a custom OAuth2 Single-Sign-On (SSO) and implemented role-based access control (RBAC)
- Secured local and staging environments by setting up end-to-end encryption using HTTPS via mkcert
- Drove user experience (UX) improvements by conducting employee interviews and feedback sessions
- Developing a Content Management System (CMS) by writing a dynamic, array-driven TypeScript architecture

Prodisphere   March 2025 – September 2025
Software Engineer Intern   *Orlando, FL*
- Independently built **prodisphere.com** (200+ users) from scratch for an early-stage startup, adhering to advisors' vision and setting the long-term technical foundation for future developers to work upon
- Conducted UX research to design UX/UI in Figma and establish design standards
- Built scalable, reusable components and pages in Next.js, React, TypeScript, and Tailwind CSS
- Collaborated with leadership in an agile environment leveraging Jira to manage sprints and track progress

Limbitless Solutions   May 2025 – July 2025
Software Engineer Intern   *Orlando, FL*
- Created a high-fidelity Figma mockup for the "Year in Review 2025" page
- Implemented an interactive timeline feature based on a Figma design started by previous interns

PROJECTS

recrd | *Figma, React, TypeScript, TailwindCSS, Spotify Web API, MongoDB, Node.js, Express*
- Led a 5-person team to create **recrd.top**, a social media platform for ranking music albums
- Developed a web-scraping script to ingest music album data from Spotify Web API into MongoDB database
- Implemented user authentication with email verification using JWT tokens, bcrypt hashing, and SendGrid
- Designed high-fidelity Figma prototypes and coded in a React, TypeScript, TailwindCSS tech stack
- Reduced LCP by $\sim 63\%$ (3s to 1.1s) by minifying + deferring non-critical JS

Personal Portfolio | *Figma, React, TypeScript, TailwindCSS, Vercel, Affinity Photo*
- Deployed **andrewdo.net** with Vercel to showcase my work and personality throughout my career
- Reduced LCP by $\sim 80\%$ (7.1s to 1.4s) by inlining critical CSS, lazy-loading images + converting to WebP
- Eliminated 100% of Google Fonts render-blocking (790ms to 0ms) via font preconnect & stylesheet preload

F1Stats | *Figma, EJS, HTML/CSS, JavaScript, Node.js, Express.js, Vercel, Ergast API*
- Launched **f1statstracker.vercel.app** (50+ users), a live auto-updating Formula 1 stats tracker
- Established a RESTful API with Node.js and Express.js to fetch live data from the Ergast API
- Maintained optimal load times ($\sim 0.9s$ FCP, $\sim 0.9s$ Speed Index) verified with Autocannon + Lighthouse
- Boosted backend throughput by $\sim 2\%$ via GZIP compression, JavaScript bundling, & deferred loading