

# Christopher Lam

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## EDUCATION

### Worcester Polytechnic Institute | Worcester, MA

August 2022 - August 2025

- Bachelor of Science in Computer Science: **3.75/4.00 GPA**
- **Relevant Coursework:** Human Computer Interaction (Grad), Mobile & Ubiquitous Computing (Grad), Software Engineering, Webware, Object Oriented Design Concepts, Systems Programming Concepts, Computer Graphics, Digital Imaging

## TECHNICAL SKILLS

- Technical Skills: React.js, Next.js, JavaScript, TypeScript, TailwindCSS, HTML, Express, MongoDB, Java, Git
- Tools: Figma, Framer Motion, Webflow, Adobe Creative Cloud, Confluence, Builder.io, Wordpress, ContentSquare

## WORK EXPERIENCE

### Schneider Electric

June 2025 - August 2025

#### Product Designer Intern

- Redesigned organizational SharePoint site used by **2,700+ employees**, enhancing navigation and engagement.
- Refined **high-fidelity mockups** for **first global End-to-End B2C web experience**, strengthening user flows, WCAG accessibility, filter optimization, and article readability through heuristic audits and **ContentSquare heatmaps**.
- Conducted **benchmarking of 5+ competitor websites**, uncovering usability gaps and delivering actionable UX insights that informed improvements for B2C web experience during User Acceptance Testing Phase.

### Air Force Civilian Service

May 2024 - August 2024

#### Data Analyst Intern

- Analyzed and **restructured personnel tracking data** into a usable format, which facilitated the development of a machine learning algorithm that **improved response time** to inquiries by 30%.
- Developed and deployed an **interactive dashboard** using PowerBI to visualize operations data; enhanced decision-making processes for 10+ team members, saving an estimate of 5 hours per week in data analysis tasks.

### Freelance Website Developer

May 2023 - Present

- Presented custom web solutions for +5 clients, utilizing **React, Next.js, and TailwindCSS** to create **responsive, visually appealing, and user-centric** websites that meet unique needs.

## PROJECTS

### WPI MQP Capstone: IQP Data Collection App

#### Lead UI/UX Frontend Developer & Researcher

- Devised a **prototype application** with a team of 5, **supporting 1,200 juniors each year** for launch in 2025-2026 academic year using PostgreSQL, React, Express, Node.js, TypeORM, AssemblyAI, OpenLayersMap API, Docker, and shadcn UI.
- Created **Figma mockups** during product development phase and implemented responsive user interfaces executing the Agile Scrum methodology.
- Conducted **user research and usability testing** to gather feedback and refine visual appeal and navigation, achieving a **88% satisfaction rate**, with the majority of users rating the app 8 or higher on a **10-point scale**.

### Mass General Brigham Women's Hospital Kiosk

#### Lead Front End Software Engineer

- Served as lead frontend developer in a 11 man team using the **Agile methodology** over 8 weeks, spearheading task management, UML diagrams, Git version control, and user stories on Trello.
- Designed and delivered a comprehensive software application prototype in AWS servers, seamlessly integrating an intuitive UI from Figma mockups, streamlining **hospital pathfinding of 100+ nodes** and **5 service request** modules.

## LEADERSHIP & ACTIVITIES

- Society of Asian Scientists and Engineers Banquet Communications Chair
  - Managed communications and logistics, coordinating a **\$4,000** budget with **128** attendees and leading the majority of planning, outreach, and execution efforts.
- Universal Education Initiative Web Developer + Head of Video Production
  - Partnered with **federal Venezuelan & American** embassy organizations to create STEM education to 38 students in Merida, Venezuela, expanding educational opportunities to disadvantaged countries.