

CHRISTOPHER LAM

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EDUCATION

WORCESTER POLYTECHNIC INSTITUTE | WORCESTER, MA

Aug '22 - May '26

- Bachelor of Science in Computer Science: **3.7 GPA**
 - Dean's List Fall 2022 + 2023, Presidential Scholarship, Charles O. Thompson Scholar
- **Relevant Coursework:** Algorithms, Software Engineering, Object Oriented Design Concepts, Machine Org. & Assembly, Systems Programming Concepts, Operating Systems, Digital Imaging and Art

TECHNICAL SKILLS

- Technical Skills: React.js, Next.js, TypeScript, Express, Java, Python, C, C++, JavaScript, Git, Racket
- Creative Tools: Figma, Framer Motion, Adobe Creative Cloud

WORK EXPERIENCE

AIR FORCE CIVILIAN SERVICE

Hanscom AFB, MA

Computer Science Intern

MAY '24 - Aug '24

- Contributed to the development of a **machine learning** algorithm by providing and organizing personnel tracking data.
- Designed and implemented an **interactive dashboard** using PowerBI to **visualize operations data** and predict outcomes over time.

UNIVERSAL EDUCATION INITIATIVE

Merida, Venezuela

Head of Video Production + WebDeveloper

MAY '23 - Present

- Worked with 4 cross-functional teams of 3 to design a central website for the organization using *Webflow* with integrated features for seamless language translations and filmed *Python* content courses.
- Collaborated with **federal Venezuelan & American** embassy organizations to create STEM education to students in Merida, Venezuela, expanding educational opportunities to disadvantaged countries.

FREELANCE WEBSITE DEVELOPER

MAY '23 - Present

- Delivered custom web solutions for various 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

- UI/UX and Frontend Developer of a 5 man team, creating application **Figma mockups** and implementing a **responsive frontend** with React and Shadcn UI for WPI students to use on their IQP projects.
- Executed Agile Scrum methodology, working closely with backend engineers and advisors to align design and functionality.
- Conducted **user research and usability testing** to gather feedback and refine visual appeal and navigation.
- Achieved an **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

Lead Front End Software Engineer

- Served as lead frontend developer in a dynamic **11** man team using the Agile methodology over 8 weeks, spearheading task management, UML diagrams, GitHub version control, and user stories on Trello.
- Designed and delivered a comprehensive software application prototype seamlessly integrating an intuitive UI from Figma mockups, facilitating user-friendly experience while streamlining **hospital pathfinding** and **service request** modules.
- Utilized React.js, TypeScript, TailwindCSS, Express, PostgreSQL, AWS, Prisma ORM, and Docker for application.

SPOTIFY CLONE

- Built a full stack replica of Spotify using Next.js to create a responsive and dynamic UI through Tailwind.
- Leveraged Supabase and PostgreSQL to set up and maintain backend database schemas and authentication.

LEADERSHIP AND ACTIVITIES

- Sigma Alpha Epsilon Diversity, Equity, and Inclusion (DEI) Chair
 - Organized cultural events with organizations such as the Hawaii Cultural Association raising **\$2,300** for humanitarian aid and updated the Mass Delta ByLaws.