

Connor K. Lee

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SUMMARY

Software engineer with 2+ years of experience implementing complex software systems and building user-focused web applications. At Epic, led end-to-end implementations for two hospital organizations, streamlining clinical workflows, improving clinical efficiencies, and driving user adoption. Combines strong technical skills with proven ability to translate complex requirements into seamless digital experiences and build trusted relationships with executive stakeholders.

EDUCATION

BSc in Cognitive Science, Yale University, Connecticut **08/2019 – 05/2024**

- Key modules: Computer Science, Human-Computer Interaction, Robotics, Artificial Intelligence

WORK EXPERIENCE

Mobile Application Developer,, Action Lab for Development (UN Volunteer) - Remote **02/2026 – Present**

- Delivering iterative front-end enhancements and AI integrations for the MoralityCode mobile app using Flutter and Dart in an agile environment across a 12-week sprint cycle.
- Optimizing Firebase backend architecture to improve data reliability and performance; collaborating with a cross-functional international team to document requirements and test changes.
- Built a comprehensive Figma design system for the MoralityCode app, including components, user flows, and wireframes, giving the product and development team a shared reference to accelerate future updates.

Software Engineer Intern, Skinstric - Remote **10/2025 – 02/2026**

- Architected key platform features for a real-time AI-powered skin analysis app built with Next.js, TailwindCSS, and OpenAI Vision API, including landing page, camera functionality, photo gallery upload, and demographic analysis.
- Integrated OpenAI Vision API with a 4D Mini model to deliver personalized skincare recommendations with GSAP-powered animations, and a fully responsive UI.

Implementation Project Manager, Epic Systems - Wisconsin **09/2024 – 10/2025**

- Led successful Electronic Health Record implementations for two hospital organizations, overseeing system configuration, workflow design, and user adoption, resulting in 30% improved clinical efficiency and 20% revenue increase.
- Redesigned and implemented the lung screening report toolbar to streamline radiology workflows, improving layout clarity and reducing end-user confusion through a more intuitive interface, achieving a 10% reduction in reported errors
- Conducted user demos and gathered feedback from clinicians and operational staff; documented insights via QA tools and collaborated with quality managers to refine workflows based on real-world usage.

Software Engineer Intern, TicTag - Singapore **06/2023 – 11/2023**

- Developed and shipped features in React.js and React Native, conducting usability tests and iterating on designs to improve application usability by 15% (measured via Amplitude analytics).
- Optimized website performance and SEO by implementing server-side rendering, image optimization, and lazy loading, achieving a 10% improvement in search rankings.
- Designed and implemented error handling and recovery flows using Figma for mockups and iterative user testing, reducing user drop-off during critical app interactions.
- Improved API response times by 5% by profiling backend services with Docker and optimizing SQL queries.
- Participated in Agile sprint planning and consistently delivered assigned features on schedule, contributing to a 15% increase in team velocity over 3 months.

Software Engineer Intern, Affinna - Remote **05/2022 – 08/2022**

- Built a reusable UI component library in React.js (buttons, calendars, form layouts) to standardize design patterns and accelerate feature development across the application.
- Implemented secure user authentication using Redux for state management and Pydantic for backend validation and type safety.
- Improved interface responsiveness by 10% through more efficient data querying with AWS DynamoDB and AWS Lambda.

PROJECTS & ACTIVITIES

Summarist, [Github Link](#), [Live Link](#)

- Built a full-stack TypeScript web app for browsing book summaries with audio playback, featuring Stripe payments, Redux state management, and responsive design.

Quick Meyer Tree Farm, [Live Link](#)

- Redesigned Wix website for Quick Myer Tree Farm, boosting site sessions by 140% and unique visitors by 81% through SEO optimization, new page implementation, and contact form fixes.

Member, Yale Varsity Swimming **08/2019 – 05/2023**

- Competed at the 2020 U.S. Olympic Trials and 2023 NCAA D1 Championships, setting 4 Yale records and earning NCAA Scholar All-American honors while mentoring teammates to foster team development.

SKILLS

Programming Languages: JavaScript, Python, SQL, HTML/CSS, Dart

Frameworks: React.js, React Native, Next.js, Tailwind CSS, Flutter

Tools: Git, AWS, Node.js, UNIX, Redux, Figma, Visio, Jira, Firebase, PostgreSQL, Microsoft Suite, Google Suite

Design: Design System, Wireframing, Prototyping, Usability Testing, User Research