

Justin Hong

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EDUCATION

Massachusetts Institute of Technology

BS in Computer Science and Engineering (GPA: 4.3)

Cambridge, MA
Expected May 2027

- **Relevant Coursework:** Data Structures & Algorithms, Software Construction, Web Design
- **Activities:** MIT Undergraduate Research Opportunities Program, Walker Memorial Basement Radio 88.1FM, MIT Live

WORK & LEADERSHIP EXPERIENCE

TrustAI Labs (YCombinator S26)

Founding Engineer & Designer

San Francisco, CA
November 2025 -- Present

- Own end-to-end frontend of the product, prototyping features and delivering polished, production-ready interfaces
- Built and maintain the full marketing site and interactive product demos used in investor and customer-facing presentations
- Defined visual identity and design system including logo; responsible for all brand, motion, and interaction decisions

ROK Army

Squad Leader & Personnel Administration Specialist

Yeoncheon, South Korea
July 2024 -- Jan 2026

- Created advanced Excel macros to automate reports, minimizing errors in high-stakes administrative workflows
- Served as squad leader in a top-ranked infantry platoon (1st of 48) in CQB room-clearing competition

MIT Political History Department

Frontend Developer

Cambridge, MA
December 2023 -- February 2024

- Developed a server-side rendered digital exhibition platform with Next.js, improving accessibility and SEO
- Collaborated with MIT History faculty to launch a digital archive of activist murals, increased visibility to 1,000+ users

EAN Design Consulting Group

Architectural Design Intern

Seoul, South Korea
August 2021

- Produced high-fidelity architectural renderings for a commercial flagship project, enhancing client engagement and improving proposal clarity using Enscape and iterative design reviews
- Conducted site research and prepared financial and ROI reports, integrating statistical analysis to support data-informed client planning and long-term investment decisions

TECHNICAL PROJECTS

Boston Tech Week Hackathon, FreightDesk

May 2026

- Architected repo partitions (web / worker / db) and built full Next.js storefront with voice-first mic launcher (Web Speech API) and customer complaint inbox in a 2-hour build sprint
- Designed plan-approve-execute UX for an autonomous freight-exception agent on Cloudflare Workers (Subconscious reasoning, Baseten vision/ASR); live SSE trace surfaces draft carrier, customer, and AR messages

Cursor Boston Sports Hack, FieldBack

May 2026

- Owned full Next.js 16 frontend for an ACL-injury triage app: coach dashboard with three-sport rosters of 60+ athletes, body-silhouette injury visualization, structured check-in flow, and role-based login routing
- Integrated FastAPI backend running MediaPipe pose extraction and RAG-grounded rehab retrieval to turn short video + text intake into severity and urgency bands

Amazon Nova AI Hackathon, Cadabra

February -- March 2026

- Built a Chrome extension personalizing Amazon search rankings in real time using AI-inferred behavioral profiles
- Engineered full-stack: TypeScript Lambda on AWS API Gateway, DynamoDB profile persistence, DOM reranking with AI-generated explanation badges

MIT Bitcoin Hackathon

February 2024

- Developed a tokenized property deed system and live marketplace prototype, leading a team of 5+ to explore trust, ownership, and verification in digital marketplaces
- Built frontend with real-time transaction UI; presented to panel of judges at MIT Bitcoin Expo

HONORS & AWARDS

- Educational Broadcasting System (EBS) Janghak Quiz Competition Winner (2023)
- Cheongshim International Academy Valedictorian (2023)