

Hunter Liao

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EDUCATION

Massachusetts Institute of Technology (MIT)

Bachelor of Science in Computer Science

Coursework: Algorithms, Software Construction, Mathematics for Computer Science, Fundamentals of Programming

EXPERIENCE

Software Engineering & Machine Learning Intern | Wood Wide AI

Pittsburgh, PA | May 2026 - Present

- Built ML demo applications for churn prediction, customer-risk scoring, and intervention recommendation workflows
- Migrated SDK generation to a private workflow and expanded SDK support with custom components across different languages
- Improved developer tooling through API documentation, changelog automation, and internal SDK migration

Software Engineering Consultant | Synopsys - MIT Consulting Group

Cambridge, MA | Feb 2026 – May 2026

- Tested UX flows and database behavior across medical-image model generation and AI-assisted cosmetic-container design tools
- Wrote automated unit, integration, and E2E tests for unreleased software, reaching 100% line coverage across targeted modules
- Documented edge cases, defects, and regression risks to support engineering review and release readiness

Software Engineering Intern | Pro-Patient Tech

New Haven, CT | Dec 2025 – Feb 2026

- Designed a lifestyle prescription web application for clinicians and patients
- Implemented AI-powered search over clinical data and improved frontend result presentation
- Created internal tools that streamlined clinician review and request workflows

Research Intern | MIT AI for Autism

Cambridge, MA | Sep 2025 – June 2026

- Developed an AI platform that supports cognitive flexibility for autistic children
- Leveraged OpenAI and ElevenLabs to generate personalized audio prompts and integrated a Supabase-backed interface
- Piloted experiments and processed behavioral data from social-context user studies

Software Engineer | Stanford Children's Hospital (Lucile Packard)

Stanford, CA | Jun 2021 – Aug 2025

- Developed and scaled an art therapy application to combat loneliness among pediatric patients using React and Express
- Managed MongoDB database for user credentials and artworks
- Collaborated with medical staff to support a research paper on art therapy's effects on child patients

PROJECTS

HackMIT Winner – Greener | TypeScript, React, Next, OpenAI

- Built an AI sustainability tracker that estimated carbon footprints from credit card transactions
- Preprocessed and analyzed item-level SKU data to identify carbon-emission patterns and recommend better alternatives

Nexhacks Winner – TrafiQ | JavaScript, TensorFlow

- Built a computer-vision traffic dashboard that analyzes HLS video streams and generates site-level insights
- Implemented a TensorFlow model for client-side vehicle counting and produced alerts and recommendations for traffic engineering use cases

SKILLS & TECHNICAL TOOLS

Languages: Python, JavaScript, TypeScript, Java, C, HTML/CSS

Technologies: React, Node, Express, Tailwind, Next, Pandas, NumPy, Supabase, MongoDB, Docker, Postgres, TensorFlow

ACTIVITIES & HONORS

Activities: Varsity Tennis, MIT Consulting Group, Kappa Sigma Web Chair

Honors: Congressional App Challenge Winner, 4x USTA Player Scholarship & Sportsmanship Award