

Winson Dong

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EDUCATION

Boston University

Boston, MA

B.A. in Computer Science (CS)

Expected Dec. 2025

- **Availability:** Full-time starting Jan. 2026
- **Selected Coursework:** Python, Java, Combinatoric Structures, Geometric Algorithms, Computer Systems, Analysis of Algorithms, Probability in Computing, Artificial Intelligence, Full Stack Development, Distributed Systems

SKILLS

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

Frameworks & Libraries: React.js, Next.js, Node.js, Django, Flask, FastAPI, Express, Pandas, Tailwind CSS, MUI

Databases & Tools: PostgreSQL, MySQL, SQLite, MongoDB, Docker, AWS, GCP, Git, Clerk

WORK EXPERIENCE

Hidden Laier

Remote

Software Engineer Intern

Sep 2025 – Present

- Developed and maintained full-stack features by building **secure APIs**, designing **scalable database schemas**, and integrating **backend services** with **frontend interfaces** to support seamless user experiences.
- Improved system **reliability** and scalability by implementing **testing pipelines**, documenting workflows, and contributing to **sprint planning**, **code reviews**, and **cross-team discussions**.

City King Buffet

Mount Sterling, KY

Freelance Web & AI Integration Developer

July 2025 – Aug 2025

- Built a responsive full-stack restaurant site with **Next.js (React)** for the UI and **Django REST** for the API, displaying dynamic menu data and business info.
- Powered an AI-driven support chat using **OpenAI's API**, **LangChain**, and a **Chroma** vector store to give customers instant, context-aware answers to menu, pricing, hours, and FAQ queries.

PROJECTS

Machine Learning for Stolen Artifacts [🔗](#) | Next.js + FastAPI + PostgreSQL

Nov 2025

- Collaborated with the **Khmer Statuary Project (BU Archaeology)** to build a modular full-stack web portal supporting the upload, search, and moderation of Cambodian artifact images for provenance research.
- Implemented secure submission workflows with **email verification**, **CAPTCHA validation**, and admin moderation tools to ensure data integrity and prevent misinformation.
- Designed a standardized **metadata schema** and scalable backend architecture with **ML-ready endpoints** for future CNN-based image similarity integration.

Wallet Wrapped [🔗](#) | Next.js + Gemini AI + MongoDB

Oct 2025

- Built a responsive **Next.js 14 + TypeScript** web app integrating **Capital One Nessie API** to show real-time financial data.
- Implemented **AI-powered financial insights** using **Google Gemini 2.5** with JSON validation for personalized analytics.
- Developed an analytics engine with **10+ algorithms** for spending patterns, merchant analysis, and trend tracking.

All In [🔗](#) | MERN Stack + Firebase

May 2025

- Developed and deployed a full-stack **MERN** platform on **Railway**, **Firebase Hosting**, and **MongoDB Atlas**, supporting authentication and game community features.
- Implemented game management, invitations, and real-time updates, enhancing user experience and data reliability.

Boston Shooting Data Dashboard [🔗](#) | React + TypeScript

Apr 2025

- Built a **React/TypeScript** dashboard to fetch & filter 2,000 Boston shooting incidents by year, neighborhood, type, gender, race, and multi-victim status.
- Used **Leaflet+GeoJSON** for neighborhood selection, **Styled-Components** for views, and **Chart.js** for trend visualization.

LEADERSHIP

Lambda Chi Alpha Fraternity

Boston, MA

Recruitment Chair

Sep 2024 – Dec 2024

- Managed recruitment by introducing new events and outreach strategies, leading a team of 8 members, catalyzing a **40%** increase in prospective member participation.
- Introduced and promoted a referral program, leading to a **15%** increase in quality candidate applications.