

Winson Dong

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EDUCATION

Boston University

Boston, MA

B.A. in Computer Science (CS)

Expected Fall 2025

- **Selected Coursework:** Python, Java, Combinatoric Structures, Geometric Algorithms, Computer Systems, Analysis of Algorithms, Probability in Computing, Artificial Intelligence, Full Stack Development

SKILLS

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

Framework and Libraries: React.js, Next.js, Node.js, Django, Flask, Express, Pandas, LangChain

Databases & Vector Stores: PostgreSQL, SQLite, MySQL, MongoDB, Chroma

Tools: OCR, RAG, Git, Docker, Google Cloud Platform, LaTeX/Overleaf, MS Excel/Word/PowerPoint

WORK EXPERIENCE

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.

All In

Boston, MA

Software Engineer Intern

Jan 2025 – 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.

Buds Gun Shop

Lexington, KY

Inventory Data Management Intern

Mar 2022 – May 2022

- Digitized and structured product data for **1,000+** firearms, ammunition, and accessories, ensuring accuracy across inventory databases.
- Standardized catalog entries to improve system reliability, enabling faster product retrieval and more accurate reporting.

PROJECTS

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 Card/Table/Graph views; and **Chart.js** for yearly trend visualization.

Airbnb Price Prediction | Python + Scikit-Learn + Pandas

Apr 2025

- Developed an end-to-end pipeline to predict NYC Airbnb prices with a Random Forest regressor $R^2 \approx 0.71$.
- Cleaned & merged **28,000** listings, engineered features (amenities, location, host/review metrics), log-transformed price, and plotted top feature importances.

Mini Facebook | Django + HTML Templates + ORM

March 2025

- Built a social media platform using **Django** with for user profiles, status messages, and image uploads.
- Leveraged **Django ORM** to model complex relationships (e.g. friends-of-friends, media-to-status linking) and optimize data retrieval for personalized news feeds

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 a referral program, encouraging current members to recommend potential recruits, resulting in a **15%** increase in quality candidate applications.