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

Hidden Laier   **Remote**
Software Engineer Intern (Full-Stack)   *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 monitoring/testing pipelines, documenting technical 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.

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

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 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.

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.