

Winson Dong

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EDUCATION

Boston University

Boston, MA

B.A. in Computer Science (CS)

Sep. 2022 – Dec. 2025

- **Relevant Coursework:** Algorithms, Distributed Systems, Computer Systems, Artificial Intelligence, Full Stack Development, Probability in Computing

SKILLS

Languages: Python, Java, Go (Golang), C++, C#, TypeScript/JavaScript, HTML/CSS, SQL

Frameworks & Libraries: React, React Native, Expo, Next.js, Node.js, Django, FastAPI, Express

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

WORK EXPERIENCE

Biteset

Remote

Founding Software Engineer

Apr 2026 – Present

- Shipped a cross-platform fitness and nutrition app as sole engineer using **React Native**, **Expo Router**, and **TypeScript**, spanning **4 core flows** across iOS, Android, and web with automated **CI/CD** via EAS.
- Engineered a real-time sync and auth backend on **Supabase** (Postgres, Auth, Realtime), paired with a reusable **Reanimated/gesture-handler**-driven component system powering **7-day** macro and workout summaries.
- Built a hybrid TDEE and trend-regression engine with the **Claude API**, generating personalized workout and nutrition recommendations across **3 categories** with production monitoring in **Sentry**.

BU Spark

Boston, MA

Full Stack Engineer

Sep 2025 – Dec 2025

- Built a production-grade artifact upload, metadata enrichment, admin review, and search pipeline for a Khmer statutory research platform, supporting **600+ images** and **200+ verified matches** used in active provenance investigations.
- Built an end-to-end image ingestion and approval workflow using **Next.js API routes**, **Supabase Postgres RPCs**, and **object storage**, promoting vetted uploads into normalized search tables.
- Implemented authentication-gated admin tooling, global upload rate limiting, and moderation controls using **Clerk session claims**, supporting **multi-role access** across **10+ admin workflows** while preventing abusive submissions.

Human Laier

Remote

Software Engineer Intern

Sep 2025 – Dec 2025

- Engineered an AI-powered employee engagement platform integrating **Vertex AI** and **D3.js** force simulations, analyzing **50+ employee nodes** and **hundreds of interaction signals** to predict attrition risk.
- Built a full-stack SaaS system with streaming chat APIs, multi-channel workflows, and analytics dashboards, shipping **7+ feature modules** and sustaining **sub-100ms API response times** under concurrent usage.

City King Buffet

Mount Sterling, KY

Software Engineer (Contract)

July 2025 – Aug 2025

- Built a responsive full-stack restaurant site using **Next.js (React)** and **Django REST**, serving daily menu traffic with dynamically managed business content.
- Deployed an AI-driven support chat using **OpenAI's API**, **LangChain**, and a **Chroma** vector store, answering **100+ customer queries** across menu, pricing, hours, and FAQs.

PROJECTS

Wallet Wrapped | Next.js + Gemini AI + MongoDB

Oct 2025

- Built a responsive **Next.js 14 + TypeScript** web app integrating the **Capital One Nessie API** to process **real-time transaction data** across **multiple accounts**.
- Developed an analytics engine with **10+ algorithms** for spending patterns, merchant analysis, and trend tracking.

All In | MERN Stack + Firebase

May 2025

- Built and deployed a full-stack **MERN** application on **Railway**, **Firebase Hosting**, and **MongoDB Atlas**, supporting **user authentication**, **profile management**, and **game communities**.
- Implemented game session CRUD, invitation workflows, and real-time state updates using **Node.js**, **Express**, and **MongoDB schemas** across **4+ core dashboard modules**.