

Dennis (Yicheng) Wang

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EDUCATION

Northeastern University - Khoury College of Computer Science

Boston, MA

B.S. in Computer Science, Business

Sep. 2023 – May 2027

- **Relevant Courses:** Object-Oriented Design, Profit Analysis, Data Structures and Algorithms
- **GPA:** 3.73/4.00; **Honors:** Dean's List

TECHNICAL EXPERIENCE

Sandbox

Boston, MA

Project Lead

Sep. 2024 – Present

- Led development of GraduateNU, Northeastern's degree audit platform serving **900+** monthly active undergrads.
- Cut manual degree plan drafting time by **80%** with TypeScript web scraper for **300+** academic programs.
- Contributed to degree audit REST API serving **1,300+** majors, achieving **< 1s** response time using NestJS.
- Optimized audit validation algorithm for **10x** speed improvement by decreasing search space by **70%**.

Digital Archive of Indigenous Language Persistence (DAILP)

Boston, MA

Software Engineer / Research Assistant

Sep. 2024 – Present

- Contributed to multilingual translation portal using React, Rust, and SQL, improving accessibility for **500+** Cherokee-English documents.
- Engineered a full-stack editing system for **29,000** Cherokee word parts and their English translations.
- Refactored deprecated authentication library to AWS Amplify, successfully creating type-safe auth flows.
- Developed GraphQL queries and AWS S3-integrated forms to modernize outdated document-creation process.

Atoma Media

Irvine, CA (Remote)

Software Developer Intern

Jan. 2025 – May 2025

- Optimized AI financial consultant page rendering by **80%** through React layout and dependency optimization.
- Introduced multi-chat threading and storage system using Prisma, enabling persistent user consultations.
- Launched CloudFlare Worker for web scraping, processing **90+** financial articles **2x** faster than previous solution.
- Shipped stock VWAP tool for Vercel AI SDK chatbot, allowing access to in-house data-visualization in **< 3s**.

PROJECTS

Green Infrastructure Boston | AWS, NestJS, React

Jan. 2025 – Apr. 2025

- Connected Bostonians to local green infrastructure volunteer opportunities with interactive Google Maps app.
- Translated **4** high-fidelity Figma designs into functional React components for the volunteer sign-up flow.
- Automated volunteer registration with AWS DynamoDB integration in NestJS application.

IssueExpress | Supabase, GitHub OAuth, Tesseract, Grok SDK

Feb. 2025

- Developed a tool using Tesseract OCR to automate team standups, converting and logging **10+** chat logs and screenshots directly into GitHub issues.
- Integrated a front-end UI with Github OAuth and Supabase to preview and commit Grok AI-generated tickets.

T-Error | C++, MongoDB, Express

Oct. 2024

- **Won 1st place** "Best Developer Tool" at HackHarvard 2024 among 513 participants.
- Developed C++ shell that automatically classifies terminal errors and provides targeted debugging solutions, reducing troubleshooting time.
- Built full-stack dashboard with React and Express to log, visualize, and document error patterns.
- Integrated open-source visualization components to create interactive error analytics interface.

EquilibriNews | React, Puppeteer, Playwright

Jan. 2021 – Jan. 2024

- Launched political news platform scraping articles from major news publishers using Puppeteer/Playwright.
- Automated pairing of **50** articles from opposing political sources for balanced news consumption every **3** hours.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, Go, Rust, GraphQL

Frameworks & Libraries: React, Next, Express, Flask, Prisma, TypeORM

Dev Tools: Git, Cursor, Postman, npm, AWS, Linux, Vercel, Supabase, Docker, MongoDB