

Yicheng (Dennis) Wang

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EDUCATION

Northeastern University - Khoury College of Computer Science

Boston, MA

Candidate for a Bachelor of Science in Computer Science + Business

Sep. 2023 – Present

Courses: Object-Oriented Design, Programming Languages, Data Structures + Algorithms, Profit Analysis

Expected: May 2026

Honors: Dean's List; GPA: 3.81/4.00

TECHNICAL SKILLS & INTERESTS

Languages & Frameworks: React.js, Next.js, TypeScript, Java, Python, Rest APIs, SQL, Express, Node.js, Flask

Developer Tools: VSCode, Git, Postman, npm, Linux, Vercel, Supabase, MongoDB, Docker, Amazon Web Services

Interests: Tennis, cooking, nonprofit work, college consulting, skiing, running, hiking, real estate, hackathons, traveling

EXPERIENCE

Atoma Media

Jan. 2025 - Present

Software Engineer Intern

(Remote) Irvine, CA

- Delivered stock analysis UI component in 3-week sprint (20% under deadline), enabling real-time financial insights for 22k requests/month via calendar integration
- Optimized puppeteer scraping algorithm with parallel scraping to retrieve news articles content 2x faster than before.
- Presented feature demos to C-suite weekly, incorporating feedback to increase active users by 171% in January.

Digital Archive of Indigenous Language Persistence

Sep. 2024 - Present

Software Engineer

Northeastern Digital Scholarship Group, Boston, MA

- Integrating glossary translation support for Cherokee words, potentially benefiting over 2,000 fluent speakers and 10,000-20,000 language learners.
- Engineering key features for DAILP's web dictionary application, enhancing Cherokee language preservation and cultural heritage documentation efforts.
- Collaborating with a cross-functional team of 7 members, resulting in improvement in project delivery time through effective communication in weekly check-ins.

Sandbox

Sep. 2024 - Present

Head of Developer Experience

Northeastern University, Boston, MA

- Increase new developer productivity by 65% with 3 onboarding workshops about React, GitHub, and Postman.
- Teaching beginner web developers React on project team during pair-programming sessions to improve team efficiency.
- Achieved a 80% satisfaction rate and reduced project onboarding times by 40% across 11 developers with curriculum.

PROJECTS

GraduateNU | Northeastern degree audit website: React, Nestjs

Sep. 2024 - Present

- Spearheaded development of a React/Nestjs degree audit platform serving 1,000 monthly visitors, achieving 10x faster requirement validation and supporting 468 academic minors through streamlined system integration.
- Personally architected cross-project API functionality for universal course data access and led expansion of minor requirement integrations, directly enhancing academic planning capabilities for 100% of users.

Securing Safe Food | Nonprofit pantry management dashboard: React, Nestjs

Sep. 2024 - Jan. 2025

- Delivered pantry management interface for 30+ allergen-friendly food pantries, implementing 4 critical CRUD endpoints with role-based authentication to safeguard sensitive nonprofit operations.
- Owned end-to-end development of 2 accessible React authentication forms and admin tools, prioritizing usability for diverse users including pantry staff and beneficiaries.

T-Error | Terminal error tracker: C++, Nextjs, Express.js

Oct. 2024

- Built HackHarvard award-winning C++/Nextjs tool featuring language processing to classify 100+ terminal errors, solving debugging pain points through custom shell wrapper engineering.
- Drove project vision as team lead – designed error classification dashboard and managed version control to limit merge conflicts to 5 instances across 99 commits.

EquilibriNews | Nextjs, Playwright, Puppeteer

Apr. 2022 - Jan. 2024

- Launched Nextjs news platform synthesizing content from 8 major publishers, reducing political bias exposure through balanced presentation algorithms.
- Engineered Playwright/Puppeteer web scrapers that achieved 30% faster data retrieval, directly optimizing content pipeline efficiency for real-time updates.