

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 2027

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

TECHNICAL SKILLS & INTERESTS

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

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

EXPERIENCE

Atoma Media

Jan. 2025 - Present

Software Developer Intern

(Remote) Irvine, CA

- Developed a chat threading and storage system for Atoma Luna, improving real-time financial insights for **22,000 monthly requests**.
- Doubled** news article scraping speed by optimizing algorithms with parallel processing via CloudFlare Workers.
- Presented weekly feature demonstrations to executives, incorporating feedback that increased active users by **171% in January**.

Digital Archive of Indigenous Language Persistence

Sep. 2024 - Present

Software Engineer

Northeastern Digital Scholarship Group, Boston, MA

- Developing a collaborative Indigenous language dictionary platform to support linguists, researchers, and Native communities.
- Implemented word part and English glossary modification functionality for Cherokee language, supporting 2,000 fluent speakers and over 10,000 language learners.
- Designed secure, user-friendly interfaces to simplify contributions from language experts and scholars.

Sandbox

Sep. 2024 - Present

Head of Developer Experience

Northeastern University, Boston, MA

- Boosted new developer productivity by 65%** with 3 onboarding workshops about React, GitHub, and Postman.
- Reduced onboarding time by **40%** and achieved **80% satisfaction** among 11 new developers through interactive curriculum and streamlined tool setup.
- Pair-programmed with junior developers and explained React fundamentals to improve team performance.

PROJECTS

GraduateNU [Link] | *Northeastern degree audit website: React, Nestjs*

Sep. 2024 - Present

- Contributed to student-built degree audit platform serving **1,000 monthly users**, delivering requirement validation **10x** faster than previous system
- Independently developed template plan of study scraper and API to streamline user experience for **400+ majors**

Green Infrastructure - Boston | *Green infrastructure map for Boston: NestJs, AWS*

Jan. 2025 - Apr. 2025

- Built automated user account creation system through DynamoDB integration with volunteer registration API
- Implemented designer Hi-Fi Figma designs for volunteer sign-up page as functional React elements.
- Completed two critical tickets outside assigned scope, ensuring project continuity during team member absence.

T-Error [Link] | *Terminal error tracker: C++, Nextjs, Express.js*

Oct. 2024

- Built **HackHarvard 2024 Best Developer Tool** C++ shell wrapper to classify **100+ terminal errors**, solving debugging pain points.
- Drove project vision as team lead – **deployed error classification dashboard in Nextjs** and managed version control to limit merge conflicts to 5 instances across 99 commits.

EquilibriNews [Link] | *Politically neutral news scraper: Nextjs, Playwright, Puppeteer*

Apr. 2022 - Jan. 2024

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