

# 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, Tailwind CSS, SQL, Express, Node.js, Flask

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

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

## EXPERIENCE

### Software Engineer

Sep. 2024 - Present

*Digital Archive of Indigenous Language Persistence (DAILP)*

*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.
- Practicing effective communication and teamwork in weekly check-in meetings with technical lead and other developers.

## LEADERSHIP EXPERIENCE

### Head of Developer Experience + Developer

Sep. 2024 - Present

*Sandbox*

*Northeastern University, Boston, MA*

- Increased 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.
- Participating in sprints and weekly stand-ups in an Agile development environment to ensure effective project delivery.

### Technical Mentor

Sep. 2024 - Dec. 2024

*Oasis*

*Northeastern University, Boston, MA*

- Mentored 8 beginner developers in 25+ hack sessions, maintaining a 100% developer-retention rate.
- Guided project planning, design, and implementation with strong time-management and organizational skills.
- Simplified web development concepts and addressed questions promptly when leading workshops for new developers.

## PROJECTS

### GraduateNU | Northeastern degree audit website: React, Nestjs

Sep. 2024 - Present

- Developing degree audit platform empowering 15,000+ Northeastern undergraduates with fast and reliable academic planning.
- Expanded app to support 468 academic minors, allowing seamless integration of minor requirements into degree plans.
- Leveraged browser-based storage sandbox area to empower students with on-site note-taking for improved planning.
- Implemented a cross-project API function to fetch information about individual courses in a degree audit plan.

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

Sep. 2024 - Jan. 2025

- Launched pantry management interface for Securing Safe Food, a 501(c)(3) nonprofit providing 30+ pantries with allergen-friendly food.
- Developed essential CRUD API endpoints for admins, including robust authentication to protect sensitive data.
- Designed intuitive React components for user authentication, prioritizing accessibility for users of all backgrounds.

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

Oct. 2024

- Centralized platform for terminal error tracking, winning "Best Developer Tool" at HackHarvard 2024.
- Designed Nextjs dashboard with language processing to classify 100+ errors captured by custom C++ shell wrapper.
- Orchestrated efficient team collaboration and project management, minimizing merge conflicts to 5 across 99 commits.

### EquilibrNews | Nextjs, Playwright, Puppeteer

Apr. 2022 - Jan. 2024

- Deployed a news application that aggregates and presents news from 8 major publishers, reducing political bias through balanced content presentation.
- Leveraged Playwright and Google's Puppeteer API to efficiently scrape data from diverse news website, including The New York Times, Fox News, and The Wall Street Journal.
- Optimized web scraping algorithms, resulting in 30% reduction in data retrieval time and improved overall performance.