# 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; Dean's List; GPA: 3.81/4.00* — *Sep. 2023 – Present*
*Courses: Object-Oriented Design, Programming Languages, Data Structures + Algorithms, Profit Analysis* — *Expected: May 2026*

## TECHNICAL SKILLS & INTERESTS

**Languages & Frameworks**: React, Nextjs, TypeScript, Java, Python, Tailwind CSS, Chakra UI, Express, Node.js, Flask
**Developer Tools**: VSCode, Git, Postman, npm, Netlify, Vercel, Supabase, MongoDB, Docker, Amazon Web Service
**Interests**: Tennis, nonprofit work, college consulting, skiing, running, hiking, biking, real estate, hackathons, traveling

## EXPERIENCE

**Software Engineer** — Sep. 2024 - Present
*Digital Archive of Indigenous Language Persistence (DAILP)* — *Northeastern Digital Scholarship Group, Boston, MA*
- Integrated glossary translation support for Cherokee words, potentially benefiting over 2,000 fluent speakers and 10,000-20,000 language learners.
- Engineered 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*
- Delivering 3 onboarding workshops about React, GitHub, and Postman, increasing new developer productivity by 65%.
- Taught beginner web developers React on project team during pair-progamming 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
- Degree audit website empowering 15,000+ Northeastern undergraduates with fast and reliable academic planning.
- Expanded system functionality to support 468 academic minors, enabling 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.

**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.

**Securing Safe Food** | *Nonprofit managment dashboard: React, Nestjs* — Sep. 2024 - Jan. 2025
- Inventory portal 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.

**EquilibriNews** | *Nextjs, Playwright, Puppeteer* — Apr. 2022 - Jan. 2024
- 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.