Yicheng (Dennis) Wang

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EDUCATION

Northeastern University - Khoury College of Computer Science <div align="right">Boston, MA</div>
Candidate for a Bachelor of Science in Computer Science + Business <div align="right">Sep. 2023 – Present</div>
Courses: Object-Oriented Design, Programming Languages, Data Structures + Algorithms, Profit Analysis <div align="right">Expected: May 2026</div>
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

Digital Archive of Indigenous Language Persistence <div align="right">Sep. 2024 - Present</div>
Software Engineer <div align="right">*Northeastern Digital Scholarship Group, Boston, MA*</div>
- 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 <div align="right">Sep. 2024 - Present</div>
Head of Developer Experience <div align="right">*Northeastern University, Boston, MA*</div>
- 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-progamming sessions to improve team efficiency.
- Achieved a 80% satisfaction rate and reduced project onboarding times by 40% across 11 developers with curriculum

Oasis <div align="right">Sep. 2024 - Dec. 2024</div>
Technical Mentor <div align="right">*Northeastern University, Boston, MA*</div>
- Mentored 2 beginner teams in 25+ hack sessions over the course of a semester with strong time-management skills.
- Guided project planning, design, and implementation, maintaining a 100% developer-retention rate.
- Resolved 20+ critical blockers and addressed project management within 24 hours online with teams.

PROJECTS

GraduateNU | *Northeastern degree audit website: React, Nestjs* <div align="right">Sep. 2024 - Present</div>
- 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 managment dashboard: React, Nestjs* <div align="right">Sep. 2024 - Jan. 2025</div>
- 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* <div align="right">Oct. 2024</div>
- 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* <div align="right">Apr. 2022 - Jan. 2024</div>
- 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.