

# 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 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 Engineer Intern*

*(Remote) Irvine, CA*

- Delivered stock analysis UI component in React, enabling real-time financial insights for **22k requests/month**.
- Optimized web scraping algorithm with parallel processes to retrieve news articles content 2x faster.
- 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*

- Integrated glossary translation support for Cherokee words, benefiting over **2,000 fluent speakers** and 10,000-20,000 language learners.
- Collaborated 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*

- **Increased new developer productivity by 65%** with 3 onboarding workshops about React, GitHub, and Postman.
- Achieved a 80% satisfaction rate and **reduced project onboarding times by 40%** across 11 developers with interactive curriculum and facilitating setup of developer tools.
- Mentored beginner web developers with React basics during pair-programming sessions to improve team efficiency.

## 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.
- 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 2024 Best Developer Tool** C++ shell wrapper featuring language processing 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.

### EquilibrNews | 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**, directly optimizing content pipeline efficiency for real-time updates.