

# Dennis (Yicheng) Wang

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## EDUCATION

### Northeastern University - Khoury College of Computer Science

Boston, MA

*B.S. in Computer Science, Business*

*Sep. 2023 – May 2027*

– **Relevant Courses:** Object-Oriented Design, Programming Languages, Data Structures and Algorithms

– **GPA:** 3.71/4.00; **Honors:** Dean's List

## TECHNICAL EXPERIENCE

### Atoma Media

Irvine, CA (Remote)

*Software Developer Intern*

*Jan. 2025 – Present*

- Utilized React to design intuitive chat page, optimizing rendering by 80% with Next.js layout feature.
- Developed new threading and storage using PrismaORM and Next.js serverless functions for Atoma Luna.
- Created CloudFlare Workers for financial data web scraping, achieving 2x faster processing speeds.

### Sandbox

Boston, MA

*Developer / Head of Developer Experience*

*Sep. 2024 – Present*

- Built degree audit scraper and API for 400+ Northeastern majors, enabling automated 4-year study plans.
- Achieved 10x faster audit validation by minimizing search space for range requirement audit algorithm.
- Developed new minor requirement scraper and frontend integration with TypeScript/Next.js
- Created interactive curriculum for 11 new members, reducing project onboarding time across 6 projects.
- Designed hands-on React, GitHub, and Postman training, saving an average of 40% of setup time per developer.

### Digital Archive of Indigenous Language Persistence (DAILP)

Boston, MA

*Software Engineer / Research Assistant*

*Sep. 2024 – May 2025*

- Developed web portal for Cherokee document translation with audio/text support for Digital Scholarship Group.
- Integrated word part and English translation editing with Rust endpoints, SQL scripts, and React.
- Migrated from legacy auth library to AWS Amplify, implementing authentication flows with type safety.

## PROJECTS

### (Ongoing) RELang | Go, Python, Pytorch

May 2025

- Designing a domain-specific language in Go for real estate analysis, with native constructs for investment metrics.
- Implementing a custom interpreter with support for predictive queries via a Python-based linear regression model served through a REST API.

### Green Infrastructure Boston | AWS, NestJS, React

Jan. 2025 – Apr. 2025

- Automated user account creation with DynamoDB integration and volunteer registration API.
- Implemented 3 designer Hi-Fi Figma designs for volunteer sign-up page as functional React elements.

### IssueExpress | Supabase, GitHub OAuth, Tesseract

Feb. 2025

- Used Tesseract OCR to streamline team standups, converting 10+ chat logs and screenshots into GitHub issues.
- Implemented 3 frontend designs from Figma in React and serverless function to log issues on GitHub.

### T-Error | C++, MongoDB, Express

Oct. 2024

- HackHarvard 2024 Best Developer tool; C++ shell to classify terminal errors and target debugging pain points.
- Built full stack application with React and Express to log, visualize, and provide documentation & solutions.
- Deployed frontend error data visualization dashboard, leveraging open-source React components from Codepen.

### EquilibrNews | React, Puppeteer, Playwright

Jan. 2021 – Jan. 2024

- Launched political news platform scraping articles using Puppeteer/Playwright.
- Enabled web scraping for news websites with Vercel's serverless functions.

## TECHNICAL SKILLS

**Languages:** Java, Python, TypeScript, Go

**Frameworks & Libraries:** React, Next.js, Express, Flask, Prisma, TypeORM, REST APIs

**Dev Tools:** Git, Postman, npm, AWS, Linux, Vercel, Supabase, Docker, MongoDB