Dennis (Yicheng) Wang

Boston, MA | ycdwang812@gmail.com | (949) 375-1978 | linkedin.com/in/denniswang812 | github.com/denniwang

EDUCATION

Northeastern University - Khoury College of Computer Science — Boston, MA
B.S. in Computer Science, Business — *Sep. 2023 – May 2027*
GPA: 3.73/4.00; **Honors:** Dean's List
Relevant Courses: Object-Oriented Design, Data Structures + Algorithms, Programming Languages, Discrete Structures, Intro to Databases

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Rust, Java, SQL, Bash
Frontend: React, Next.js, HTML/CSS, Tailwind CSS, ChakraUI, shadcn/ui
Backend & Databases: Node.js, Express, NestJS, GraphQL, PostgreSQL, MongoDB, Prisma, TypeORM
Cloud & Infrastructure: AWS (S3, Amplify, ECS), Docker, Git, GitHub Actions, Vercel

EXPERIENCE

Lead Software Engineer — Boston, MA
Sandbox Software Consultancy — *Sep. 2025 – Present*
- Lead React/Next.js development for GraduatNU, serving **900+** undergraduates with real-time degree validation.
- Optimized TypeScript validation algorithm by **90%**, filtering invalid course combinations for range requirements.
- Built GitHub Actions CI/CD pipeline to verify integrity of major requirements and deploy to staging on PR merge.
- Collaborated with designers to implement **3** hi-fi Figma designs, shipping **12** features in 5-week sprint.

Software Engineer Co-op — Boston, MA
Digital Archive of Indigenous Language Persistence (DAILP) — *Jul. 2025 – Present*
- Built content management interface for **8,000+** contributors, managing **38,110** words and **5,533** audio files.
- Shipped accessible drag-and-drop tree editor using Vanilla CSS and React to organize **197** document chapters.
- Migrated from WordPress to custom Rust backend, eliminating monthly outages and improving system reliability.
- Created morpheme tagging workflow for **29,000** word parts with GraphQL-powered search and filtering.

Software Engineer — Boston, MA
Sandbox Software Consultancy — *Sep. 2024 – May 2025*
- Automated **50%** of degree drafting workflow by building web scraper and cache for **400+** majors' plan of study.
- Built minor requirement scraper with REST endpoints, integrating **468** minor requirements into production.
- Established onboarding curriculum and taught workshop for **11** developers on React patterns & state management.

Software Engineer Intern — Irvine, CA (Remote)
Atoma Media — *Jan. 2025 – May 2025*
- Optimized AI chatbot render time by **80%** using React layouts to prevent unnecessary re-renders of sidebar UI.
- Integrated Vercel AI SDK with shadcn components, enabling AI to render data visualizations via JSON props.
- Built CloudFlare Worker web scraper for financial articles, deploying serverless API with Wrangler CLI.
- Developed interactive financial charts using Recharts, including portfolio calendar and stock price visualizations.

PROJECTS

Clul.us ⧉ | *React, Gemini API, Flask, Docker* — Oct. 2025
- Built browser extension mock with React to screenshot math problems and generate educational animations.
- Designed responsive UI with Tailwind CSS for hints, animations, and audio narration via ElevenLabs API.

IssueExpress ⧉ | *React, Supabase, GitHub OAuth, Tesseract OCR* — Feb. 2025
- Implemented **3** Figma designs in React with responsive Tailwind layouts for standup log conversion tool.
- Integrated Tesseract OCR and OAuth to automatically generate GitHub issues from **10+** team chat screenshots.

T-Error ⧉ | *React, Express, MongoDB, C++* — Oct. 2024
- **Won 1st place** "Best Developer Tool" at HackHarvard 2024 among **513** participants.
- Developed C++ shell using regex and string similarity to classify terminal errors in real-time.
- Built React dashboard with real-time data visualization for teams to track terminal errors across projects.