

# Yicheng (Dennis) Wang

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## EDUCATION

### Northeastern University

Boston, MA

Bachelor of Science in Computer Science + Business Administration; GPA: 3.88

Sep. 2023 – May. 2027

Relevant Courses: Fundamentals of CS 1+2 (A), Object-Oriented Design (IP)

## EXPERIENCE

### Software Engineer

Sep. 2024 - Present

Sandbox

Northeastern University, Boston, MA

- Participated in sprints and weekly stand-ups in an Agile development environment to ensure efficient project delivery
- Performing bi-weekly PR reviews and practicing pair-programming to tackle 3 high-priority tickets per month.
- Implementing features in a degree audit application impacting 15,000+ undergraduate students' academic planning process

### Developer

Sep. 2024 - Present

Code 4 Community

Northeastern University, Boston, MA

- Creating solutions for Securing Safe Food, a 501(c)(3) nonprofit empowering 30+ pantries with allergen-friendly food.
- Engaging in weekly meetings and code reviews for an inventory and delivery management platform for pantries.
- Developing fundamental backend functions, ensuring user authentication when manipulating potentially sensitive data.

### Mentor

Sep. 2024 - Present

Oasis

Northeastern University, Boston, MA

- Mentoring 8 rookie developers in 25+ hack sessions outside of club hours, maintaining a 100% developer-retention rate
- Guiding project planning, tech stack selection, and development with strong time-management and organizational skills.
- Simplified web-dev concepts and addressed questions promptly when leading workshops for new developers.

### Web Developer

Jan. 2024 - Apr. 2024

Northeastern's Young Entrepreneurs

London, UK

- Increased website traffic by 50% through SEO optimization and responsive design implementation on club website.
- Integrated SquareSpace API for ticketing, resulted in a 30% increase in online event registrations.
- Collaborated with team to resolve technical challenges, improved site performance and streamlined user experience.

## PROJECTS

### GraduateNU | Sandbox

Sep. 2024 - Present

- Developing solution for a sandbox area to allow students to experiment with placeholder courses.
- Prioritized on debugging React frontend and adding new features to an existing codebase of over 40k files.
- Implemented a cross-project API function to fetch information about individual courses in a degree audit plan.

### teXnology | Berkeley AI Hackathon 2024

Jun. 2024

- Led team of 3 developers in the Berkeley AI Hackathon to build a fullstack web application to format speech to LaTeX
- Integrated Groq's chat completion model and Openleaf API to enhance user experience and accessibility
- Presented project in front of multiple rounds of judging in the Berkeley ASUC Student Union building.
- Leveraged a speech recognition library on NPM to convert speech to text with over 90% accuracy on demo day.

### Equilibrinews | Nextjs, JavaScript, React, Playwright

Apr. 2022 - Jan. 2024

- Developed a website to scrape news from major publishers and displayed in a way that reduced political bias
- Implemented Google's Puppeteer API and Playwright to scrape data from news websites including New York Times, Fox News, Wall Street Journal, etc.
- Consulted UPenn Master's Graduate Melissa Amaya through the Polygence platform for technical advice

## TECHNICAL SKILLS

**Front end:** React, Nextjs, Figma, Canva, Adobe Illustrator, Tailwind CSS, Chakra-UI, Bootstrap

**Back end:** Java, Python, Kotlin, JavaScript, TypeScript, Nodejs, Express, NestJs, PostgreSQL, Firebase, MongoDB

**Developer Tools:** Git, Docker, npm, Eclipse, Vercel, Netlify, Google Cloud Platform, Amazon Web Services

**Data Science + Visualization:** pandas, NumPy, MATLAB, Tableau, Puppeteer, streamlit, matplotlib, Mage