

# Yicheng (Dennis) Wang

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## EDUCATION

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### Northeastern University

Boston, MA

*Bachelor of Science in Computer Science + Business Administration, GPA: 3.78*

*Sept. 2023 – June 2027*

*Relevant Courses: Discrete Structures - A, Fundamentals of CS 1+2 - A, Financial Accounting - A*

## EXPERIENCE

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### Full Stack Developer

January. 2024

*Northeastern's Young Entrepreneurs*

*London, UK*

- Enhanced Entrepreneur Club's Squarespace site with custom features using previous web dev skills.
- Integrated ticketing API to streamline event management and boost user engagement.
- Collaborated with team to resolve technical challenges, improving site performance and user experience.

### Engineer & Research Fellow

July 2022

*University of California, Irvine*

*Irvine, CA*

- Utilized C++ skills to code an Arduino board; developed a MATLAB script taking input from an IMU for a hands-free mouse for individuals with disabilities.
- Used the Fusion 360 software to design a user-friendly and ergonomic device for 3D printing
- Conducted a live demonstration of the product to UCI professors and fellow research peers
- Awarded the Certificate of Research & Innovation Leadership for completing the BEAM program requirements, demonstrating outstanding research, innovation, and entrepreneurship skills.

### Programmer & Builder

June 2021 – May 2022

*VEX Robotics*

*Irvine, CA*

- Played a pivotal role as a programmer and builder for VEX team 2496R, contributing to our performance at the VEX Worlds competition.
- Optimized a critical robot autonomous turn function to under 20 lines in an established codebase via Git
- Volunteered at school district hosted events, leveraging robotics expertise to engage and inspire the community while giving back through knowledge sharing and mentorship

## PROJECTS

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### teXnology | Berkeley AI Hackathon 2024

Feb. 2022 – March 2023

- 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.

### Equilibrinews | Nextjs, JavaScript, React, Puppeteer

Feb. 2022 – March 2023

- Developed a website to scrape news from major publishers and displayed in a way that reduced political bias
- Implemented Google's Puppeteer API to scrape data from news websites
- Consulted UPenn Master's Graduate Melissa Amaya through the Polygence platform for technical advice

### WanderWorks | UCI True 2 You Design-a-thon 2024

May 2024

- Designed and prototyped an IOS application using Figma's design and wireframe tools
- Developed a subscription-based business model and presented it to an audience of over 100 participants in Donald Bren Hall
- Completed project along with video demo within a strict 36 hour timeline

## TECHNICAL SKILLS

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

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

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

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