

Ryan Chang

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EDUCATION

Northeastern University, Boston, MA

May 2028

Bachelors of Science in Computer Science and Mathematics, John Martinson Honors College

Hingham High School, Hingham, MA

May 2025

Math Team Captain, Tennis Team Captain, Chess Club President

GPA: 4.0/4.0

WORK EXPERIENCE

Hingham Recreation Center, Hingham, MA

June 2023 – August 2025

Camp Counselor

- Supervised and engaged with children in grades 1–8, ensuring a safe, inclusive, and enjoyable environment
- Organized interactive games for 50+ children to effectively promote teamwork and social skill development
- Implemented conflict resolution strategies and consistently reinforced positive behavior strategies

IBM, Hingham, MA

June 2023 – July 2023

Cybersecurity Intern (Virtual)

- Utilized threat modeling frameworks and network security tools to analyze system vulnerabilities through hands-on simulations and incident response protocols, developing foundational cybersecurity expertise
- Collaborated in a team to identify 50+ threats and present mitigation strategies to industry professionals

PROJECTS

Northeastern Oasis, Boston MA | React, Tailwind CSS, JavaScript, HTML/CSS

September 2025 - Present

- Engineered a seamless data pipeline with Supabase integrating Northeastern Dining APIs to fetch, process, and store JSON responses for 100+ food options and manage state with React hooks for real-time user queries
- Developed responsive, mobile-first UI components using React and Tailwind CSS, collaborating within an agile team to rapidly iterate on features and enhance the overall user experience

Northeastern Code For Community, Boston MA | JavaScript, HTML/CSS

September 2025 - Present

- Engineered collaborative project management tool using JavaScript event listeners and DOM manipulation, implementing dynamic task boards, lists, and cards, to simulate a team-based project workflow environment

ACTIVITIES AND LEADERSHIP

Hingham High Robotics Team, Hingham, MA | Java

September 2021 - May 2025

Code Team Leader

- Developed Java-based robot control software implementing teleoperated and autonomous navigation and sensor feedback systems using PID and Limelight, leading code reviews and managing Git version control
- Debugged software issues in real-time during FIRST Robotics state competitions, collaborating with mechanical and electrical teams to optimize robot performance and competitive strategy

Hingham Food Pantry, Hingham, MA

August 2022 – August 2025

Volunteer

- Managed logistics for the organization, packaging, and weekly distribution of food supplies, ensuring efficient and equitable service for 100+ individuals and families
- Maintained inventory records of 1000+ items and managed daily incoming donations to support operations

SKILLS

Programming Languages: Python, Java, JavaScript, HTML, CSS, React, TypeScript, C#, C

Tools: VS Code, Unity, Git, Numpy, Pandas, Matplotlib, Excel