

Ryan Chang

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EDUCATION

Northeastern University, Boston, MA <i>Bachelors of Science in Computer Science and Mathematics, John Martinson Honors College</i>	May 2028
Hingham High School, Hingham, MA Math Team Captain, Tennis Team Captain, Chess Club President	May 2025 <i>GPA: 4.0/4.0</i>

WORK EXPERIENCE

Hingham Recreation Center, Hingham, MA <i>Camp Counselor</i>	June 2023 – August 2025
<ul style="list-style-type: none">Supervised and engaged with children in grades 1–8, ensuring a safe, inclusive, and enjoyable environmentOrganized interactive games for 50+ children to effectively promote teamwork and social skill developmentImplemented conflict resolution strategies and consistently reinforced positive behavior strategies	
IBM, Hingham, MA <i>Cybersecurity Intern (Virtual)</i>	June 2023 – July 2023
<ul style="list-style-type: none">Utilized threat modeling frameworks and network security tools to analyze system vulnerabilities through hands-on simulations and incident response protocols, developing foundational cybersecurity expertiseCollaborated in a team to identify 50+ threats and present mitigation strategies to industry professionals	

PROJECTS

Northeastern Oasis, Boston MA <i>React, Tailwind CSS, JavaScript, HTML/CSS</i>	September 2025 - Present
<ul style="list-style-type: none">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 queriesDeveloped 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 <i>JavaScript, HTML/CSS</i>	September 2025 - Present
<ul style="list-style-type: none">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 <i>Java</i>	September 2021 - May 2025
<i>Code Team Leader</i>	
<ul style="list-style-type: none">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 controlDebugged 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
<i>Volunteer</i>	
<ul style="list-style-type: none">Managed logistics for the organization, packaging, and weekly distribution of food supplies, ensuring efficient and equitable service for 100+ individuals and familiesMaintained 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