Lin Hong

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Professional Summary

Experienced Software Engineer with 4+ years in the field, specializing in AI and UI/UX design. Created 18+ projects and attended 14 hackathons. Active in robotics, with significant contributions to community and education through STEM initiatives. An AI enthusiast looking to create the new big thing.

Experience

Programming Lead & Co-captain | *Robotics Club*   *Sept 2022 - Present*

- Spearheaded the development and implementation of object detection and autonomous navigation systems using Java, increasing robot efficiency by 30%.
- Led a team of 13 in robotics design and programming, dedicating over 18 hours weekly. Employed a flexible leadership style, which fostered a creative and autonomous environment.
- Co-organized 9 STEM events, boosting tech engagement among students by 40%.
- Achieved a top 10 finish in Ontario at the FIRST Tech Challenge and won 3 awards.

Hackathon Lead Senior Executive | *Computer Science Club*   *Sept 2021 - Present*

- Founded annual school hackathon, drawing 50+ entrants in its first year.
- Conducted comprehensive workshops on Python and Github basics.
- Led a panel to evaluate 13 projects, implementing a constructive feedback model that nurtured creativity and learning.

Volunteer Work

Youth Robotics Instructor | *FIRST LEGO League Summer Camp*   *July 2023*

- Mentored 100+ grade 4-8 students, elevating their skills to competition level through a comprehensive 124-hour curriculum, in collaboration with a dedicated team of 9 colleagues.
- Orchestrated a large-scale mock FLL competition and delivered 5 targeted lessons, significantly impacting 300+ attendees and facilitating the participation of 43 student-led robotics teams.

Skills

- **Programming Languages:** Python, Java, C++
- **Web Development:** React.js, Next.js, Vite.js, HTML, CSS, Javascript, Typescript, Tailwind

Education

Dr. Norman Bethune C.I., Scarborough, ON

Expected High School Diploma, June 2025

- **Clubs and Activities:** Robotics Co-captain, Yearbook Editor, Computer Science Club Senior Executive, Math Club Senior Executive, Breakfast Club Co-President
- **Awards and Honors:** FIRST Dean's List Semi-finalist, Waterloo Fryer School Champion