Lucas Jin

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Personable high school senior with excellent interpersonal skills and an interest in technology and AI. Desire to learn and proficiency in programming demonstrated through outstanding academic record and a multitude of extracurricular activities.

EDUCATION

Merivale High School, ON

Expected graduation: 2025

GPA: 4.0

— Flourishing in the International Baccalaureate Program.
— Managing Mock Trial Club activities as an executive.

EXPERIENCE

Lips Lips Revolution - Hack the North 11   *September/2024*

— Created a game where you play by lip syncing with a userbase of over 50 people at Canada's biggest hackathon.
— Next.js, Tailwind CSS and MongoDB were used for the full stack application; OpenAI embedding models and Symphonic Labs' Mamo API were used to get mouth recognition and score.

ConvoAI - JamHacks 8   *June/2024*

— Created an AI assistant for virtual interviews to recognize questions and generate personalized responses.
— Backend implemented with Python, Google's Speech Recognition API, OpenAI and Prompt Engineering.

StudySphere - uOttaHack 6   *March/2024*

— Implemented the following backend functionalities for Ottawa's biggest hackathon with Python, SQLAlchemy and Flask: User authentication, uploading questions and answers, searching questions.

Zenith Workout App   *November/2023 - Present*

— Created an app to track workouts, display gym progress and provide up to date tutorials for exercises.
— Implemented using SwiftUI, OOP techniques and Firebase - a document database.

Core Programmer - Sparkling H2O FRC Team 8729   *August/2023 - Present*

— Created time-based and command-based programs with Java and WPilib.
— Implemented a swerve drive train and April tag vision tracking with limelight.

Core Programmer - Merivale High School (Vex Robotics)   *October/2023 - December/2023*

— Used C++ to code the autonomous and tele-op period commands for a defensive robot for *Over-Under*.

AWARDS

— First place in National Mock Trial Competition (*Champions Cup 2022 - Dominion Mock Trial*)
— School Champion (*Fryer Mathematical Competition 2022 - Waterloo*)
— 60/75 on CCC Junior - Distinction (*Canadian Computing Contest 2023 - Waterloo*)
— Honor Roll Group 4 (*Hypatia Mathematical Competition 2024 - Waterloo*)
— Best Use of MongoDB Atlas (*Hack the North 11 - HTN*)

SKILLS

— Teamwork
— Adaptability
— Problem solving skills
— Decision making skills

LANGUAGES/SKILLS

— Python (4 years)
— C++ (2.5 years)
— Java (1.5 year)
— Swift (1 year)
— HTML (1 year)
— CSS (1 year)
— Javascript (1 year)
— React.js (<1 year)