

Dylan Li

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EDUCATION

University of Michigan <i>B.S.E. Computer Science and Engineering Physics</i>	Aug. 2025 – Present <i>n/a GPA</i>
University of Michigan <i>High School Dual Enrollment</i>	Aug. 2023 – Dec. 2024 <i>4.0 GPA</i>
Honors & Awards <i>MHacks Winner - Google Gemini Track</i>	<i>Sep. 2025</i>
<i>Wharton Investment Competition Semifinalist (1% out of ~5,000)</i>	<i>Jan. 2025</i>
<i>National Merit Scholarship Finalist</i>	<i>Feb. 2025</i>

EXPERIENCE

Lab Member <i>University of Michigan</i>	May. 2025 - Present <i>Ann Arbor, MI</i>
<ul style="list-style-type: none">Researching Vim-style keybinds and action macros in the Hazel editor to improve developer efficiencyEnhanced Hazel editor usability through developing new features and resolving long-standing bugsApplied type theory principles to design and implement core functionality for onboarding project	
STEM Summer Camp Instructor <i>The Future Innovators Academy</i>	Jul. 2025 - Aug. 2025 <i>Ann Arbor, MI</i>
<ul style="list-style-type: none">Instructed children ages 5–13 in programming, Arduino, electronics, CAD, and graphic design, fostering both technical skills and healthy personal habits in an engaging learning environment	
Engineering Captain <i>Pioneer High School FIRST Robotics Competition Team</i>	Sep. 2021 - May. 2025 <i>Ann Arbor, MI</i>
<ul style="list-style-type: none">Directed a 70-person team to design, build, and program three robots, managing the entire engineering process, coordinating cross-team collaboration, and ensuring timely project completionTransformed software stack by migrating from Python to Java, adopting functional programming practices, and improving odometry precision, computer vision reliability, and motion control accuracyAdvanced team ranking from 40th percentile to 93rd percentile worldwide in three years	
Team Co-Founder <i>Wharton Youth Investment Competition</i>	Sep. 2023 - Apr. 2025 <i>Ann Arbor, MI</i>
<ul style="list-style-type: none">Collaborated in a team of 7 to analyze multiple market sectors and trends, delivering a total of four reports for two competition clients and achieving semifinalist standing (top 1% out of 5,000 teams worldwide)Developed Python simulations to support investment strategy design and evaluated technical indicators' effectiveness through market data analysis	

PROJECTS

clAI - Command Line AI	Sep. 2025
<ul style="list-style-type: none">Developed using Electron.js, React, and Python for MHacks 2025, winning Best Use of Google Gemini trackRemote shell application that uses Google Gemini to simplify command line interaction, translating natural language to shell commands with support for extensive UI customizability and multiple shell instancesImplemented WebSocket communication with backend to enable real-time interaction, developed frontend features to improve user's ease of use, evaluated and iteratively tested Gemini API outputs for consistency	
Scrappy Shell	May. 2025 - Jun. 2025
<ul style="list-style-type: none">Built a UNIX-style shell in C++ with custom parsing and execution features, replicating essential UNIX commands and operators within a functional shell environmentStrengthened understanding of operating system interaction (UNIX commands, process management, file descriptors) and interpreter design (recursive descent parsing, lexing)	
F1 Racing Game	Feb. 2023 - Mar. 2023; Aug. 2025
<ul style="list-style-type: none">Developed a racing game in Unity with C#, featuring computer-controlled opponents and fast-paced gameplayUtilized Unity's reinforcement learning framework to train AI models to race optimally against other cars	