

LUKE HANN

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EDUCATION

Carnegie Mellon University School of Computer Science, CS and Robotics, GPA 4.0	Pittsburgh, PA May 2028
Granville High School GPA 4.0 (unweighted), Ranked 1 out of 196 in graduating class, graduated with honors diploma	Granville, OH May 2024

ACTIVITIES AND LEADERSHIP

Scottylabs Tech Tech Lead and Developer for CMU Maps	Pittsburgh, PA September 2024 - Present
• Implemented features and fixed bugs for mobile/desktop CMU Maps website using React and Typescript	
• Collaborated with CMU Maps team, editing project currently with other developers	
CMU Roboclub Carnegie Mellon Combat Robotics Board Member, Senior Member	Pittsburgh, PA September 2024 - Present
• Designed and built robots to compete in NHRL competition	
Robotics Designer and Programmer	Granville, OH January 2016 - Present
• Designed, programmed, and built robots for team and individual competitions	
• Won 1st place in 3lb Combat Robot (high school division) at National Robotics Challenge 2024	
Game Creation Society (GCS) Programmer	Pittsburg, PA September 2024 - Present
• Collaborated with a GCS team to develop a game using Unreal Engine C++ over the course of a semester	
Competitive Math Team Team Co-founder, MVP, and captain	Granville, OH January 2020 - May 2024
• Co-founded and promoted high school math team, competed with all-state ARML team	
• Served as captain of high school math team, coaching teammates in learning new math topics and strategies	

WORK AND VOLUNTEER EXPERIENCE

Hann Manufacturing Cad Designer	McConnelsville, OH June 2022 - August 2024
• Created 3D models of furniture in Fusion 360 to allow customers to easily visualize furniture and its dimensions	
• Created drawings from 3D models to illustrate assembly instructions	
GMS Science Olympiad Division B Event Coach, Tournament Test Writer	Granville, OH January 2020 - May 2024
• Coached middle school students in physics and engineering topics applied to competition's events	
• Organized practice meetings to prepare for tournaments	
• Wrote event tests and designed labs for invitational and regional tournaments	
Upcheive Online Math Tutor	Upcheive.org January 2021 - May 2024
• Tutored students from under-resourced schools in Algebra, Geometry, and Trigonometry	

RELEVANT COURSEWORK

Principles of Computing, Differential & Integral Calculus, Integration & Approx., Physics I, Physics II, Reasoning with Data, Mathematical Foundations for CS (15-151), Princ. of Imperative Computation (15-122), Matrices & Linear Transformations (21-241), Princ. of Functional Programming (15-150), Vector Calculus for CS (21-266), Great Ideas in Theoretical CS (15-251), Intro. to Computer Systems (15-213), Probability and Computing (15-259), Robot Building Practices (16-220)

AWARDS

- Fall 2024, Spring 2025, Fall 2025: CMU SCS Dean's List, High Honors
- November 2024: NOVA Hackathon Best Technical Implementation Award
- March 2024: National Merit Scholarship Winner
- 2021-2024: 4x AIME qualifier. Scored 127.5 on AMC 12 and 9 on AIME in 2024
- May 2023: Ohio Seal of Biliteracy (professional level biliteracy and bilingualism in both English and Spanish)
- 2023: Second place individual state-wide in Ohio Math League
- 2022: Ohio's ARML National Champion Team Member – Div B Offsite

SKILLS

Java, Javascript/TypeScript/HTML, Python, C/C++, C#, Unity, Unreal Engine, CAD, Solidworks, Autodesk Fusion 360, Soldering, 3D Printing, Proficiency in Spanish (Received Seal of Biliteracy)