



ANDY DING

10TH GRADER

CONTACT

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EDUCATION

Class of 2028

WESTON HIGH SCHOOL

Weston, MA 02493

SKILLS

Soft Skills

- Teamwork
- Effective Communication
- Leadership
- Multitasking

Hard Skills

- CAD (Computer-Aided Design)
 - Coding (Java/Python/C)
- Proficient/Proficient/Intermediate

LANGUAGES

- English (Fluent)
- Chinese (Fluent)

SPORTS

Swimming

Ranked Top 25 in 50m

Freestyle at New England LC

Age Group 11-14.

Track

Qualified for 2023 and 2024

D2 states.

Placed 8th and 4th

respectively in the 4x100m relay.

PROFILE

Driven 10th-grade student with practical research experience in medical robotics and advanced technical proficiency in SolidWorks (CAD), programming languages including Java, Python, and C, and Linux systems. Founder and captain of FTC team 26413, leading the team through its second year and earning a spot on the 2026 Massachusetts Dean's List. Committed to advancing medical imaging and robotics to create innovative technologies that enhance patient care. Currently seeking a summer research internship in medical imaging or biomedical engineering to leverage expertise in problem-solving, 3D modeling, and software development within a professional laboratory environment.

WORK EXPERIENCE

WPS Summer Internship

IT Assistant

Summer 2024

- Reimaged and deployed Chromebooks for grades 1-5, assigning devices to individual students.
- Refurbished Field School Chromebook fleet by replacing defective units and configuring charging cart infrastructure.
- Monitored projector inventory across the middle school and established ethernet connectivity for all campus phones.

WSI (Water Safety Instructor)

Assistant & Head Coach

Summer 2024 & 2025

- Instructed children ages 5-12 in swimming fundamentals and water safety
- Led advanced-level classes for high-proficiency swimmers and coordinated pool-side events as junior lifeguard
- Served as Assistant and Head Coach, collaborating effectively with senior coaching staff and upperclassmen

RESEARCH EXPERIENCE

Multi-Scale Medical Robotics Center — Hong Kong

Summer 2025

- Evaluated surgical endoscopic instruments and authored comprehensive testing reports to inform design improvements.
- Developed a control program to assess the performance metrics of robotic instrumentation.
- Designed a specialized testing jig to evaluate and validate instrument performance metrics.

LEADERSHIP

ROBOTICS TEAM 26413 – FOUNDER & CAPTAIN, WESTON HIGH SCHOOL, 2024 – PRESENT

- Led 9-member team (grades 8-12) in FTC Robotics competitions
- Season 1 (2024-2025): 3rd Place Alliance Captain, Think Award winner
- Season 2 (2025-2026): Winning Alliance at Qualifiers, Qualified for States

DECA – CHAPTER OFFICER (FINANCE), WESTON HIGH SCHOOL, JUNE 2025 – PRESENT

- Manage chapter finances to support district and state competition participation
- Competed at district (2nd place) and state (7th place) levels
- Will be competing in Atlanta, GA for International April 25-29

EXTRACURRICULAR ACTIVITIES

VARSITY SWIM TEAM MEMBER, WESTON HIGH SCHOOL, NOVEMBER 2024 – PRESENT

- Train 5-6 days per week with 10+ meets per year
- Part of 2025 North Sectionals Team
- Ranked Top 25 in New England LC Age Group (50m Freestyle, Ages 11-14)

CYBERPATRIOT COMPETITION

- Placed 3rd in Diamond Division(State)
- Achieved the highest Linux score among the Top 5 teams in Massachusetts

ADDITIONAL ACTIVITIES

Debate Team: First-year debater, helped team qualify for States (only freshman team)

Published Book Editor: Digital Literacy 101: The Simple Guide to Cybersecurity and Computers (available in Massachusetts public libraries, including Boston Public Library)

RESEARCH PROJECTS

LuminaBone: a Low-Cost Shading-Based 3D Bone Endoscope Using a Near-Light Photometric Stereo Approach