

Adrian Yang

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EDUCATION

University of Maryland, Expected May 2029 – Aerospace Engineering

College Park, MD

WORK EXPERIENCE

Hallie Morgan Technologies

Bethesda, MD

Software Engineer Intern (May 2025 – August 2025)

- Conducted independent research on AI-powered testing tools, including Jeddickt and Selenium, to explore their capabilities and applications in coding and testing.
- Explored integration strategies for incorporating AI tools into existing software testing frameworks and workflows.

INVOLVEMENT

Terrapin Rocket Team

College Park, MD

Two-stage/Liquid Rocket Team member (Jan 2026 – Present)

- Assisted in fabrication and preparation of structural components for a fiberglass based two-stage high-power rocket targeting 40,000 ft apogee and Mach 1.6 velocity.
- Responsible for precision sanding and surface conditioning to meet bonding and assembly tolerances.
- Shadowed upperclassmen to gain hands-on exposure to composite fabrication and integration.

Personal Projects

SolidWorks CAD Jet Engine

College Park, MD

Personal Project CAD models (Aug 2026 - Present)

- Modeling a jet engine in SolidWorks: 570+ components across a combustion stage, exhaust section and 616 mm main shaft
- Built a 307-part combustion stage (six bolted combustion cans, 275 ISO fasteners) and a 263-part exhaust (120 flare levers, 60 blades).

SKILLS & INTERESTS

Technical: Java, Solidworks CAD, Python, JavaScript, HTML, Composite surface preparation, Structural fabrication, Aerospace assembly processes, Two-stage rocket systems

Language: Mandarin - speaking fluency

Interests: Motorsports (LMDh, GT3, F1, NASCAR), Rocketry, Table Tennis, Snowboarding, Video Games, Going to the Gym