

Aidan Drucker

Commercial pilot, Mechanical engineering student at George Mason University

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EXPERIENCE

Machine shop technician - Phoenix Companies

June 2026 - July 2026

As a technician in the Phoenix machine shop, I used fusion CAD & CAM to create milling programs to facilitate the production of components with various metals for clients in aerospace, medical, food production, communication and energy sectors. I also assisted in the operation and maintenance of industrial CNC mills, and inspected parts to verify they were in tolerance before shipping.

Skills:

- Fusion CAD and CAM
- Design for manufacturing
- Component inspection
- Attention to detail

Mathematics instructor - Mathnasium

July 2026 - present

As a mathematics instructor, I give face to face instruction to students on topics such as calculus and algebra, as well as more elementary concepts such as multiplication. I also maintained records of student progress and assisted in the creation of new learning plans to continue improving student performance.

Skills:

- Student instruction
- Customer service
- Excel
- Data analysis

SKILLS

Fusion, MATLAB

CAM

Tolerance inspection

Python programming

Component failure analysis

Mathematics

Management

Student instruction

Flight certificates and endorsements

Commercial pilot certificate – October 12 2025

Obtained commercial flying privileges for airplane, single engine land

Instrument rating – December 26 2023

Obtained instrument flying privileges after 60 flight hours flying in inclement weather, heavy fog, rain and low cloud ceilings

Complex endorsement – April 17th 2025

Obtained endorsement to fly complex aircraft after review from certified flight instructors

Education

Aviation Adventures — Part 141 commercial flight training

August 2022 - October 2025

Completed a part 141 training program and obtained my Commercial pilot's certificate, instrument rating, as well as, multiple endorsements including complex. Studied flight mechanics, avionics, aerostructures as well as aviation regulations, airport structure, and weather theory.

Skills

- Acting as pilot in command of small aircraft
- Performing navigation tasks in all weather, daylight, and equipment conditions
- Coordinating safe flight with Air Traffic Control stations
- Analyzing weather systems using weather products and visual cues

George Mason University — *Mechanical engineering*

August 2024 - May 2028 (expected)

Mechanical engineering student in good academic standing. Technical GPA of 3.3

McLean High School – Advanced diploma

August 2020 - June 2024

Public high school education. Graduated with a cumulative GPA of 3.5.

Projects

