

# Elliot D. Skinner

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## PROFESSIONAL SUMMARY

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- Operations and project management professional with 6+ years running complex, multi-stakeholder programs in FAA-regulated environments.
- Experience coordinating teams across federal agencies, labor unions, and technical teams to deliver system upgrades, training programs, and operational improvements.
- Demonstrated track record of identifying workflow gaps and independently building tools to solve them.
- FAA-certified Private Pilot with deep fluency in Federal Aviation Regulations.

## WORK EXPERIENCE

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### Science Applications International Corporation (SAIC)

Sept 2020 – Present

*Lab Manager*

*Fremont, CA*

- Manage day-to-day operations of a high-fidelity air traffic control (ATC) simulation lab supporting 60+ controller trainees and 170+ certified air traffic controllers, coordinating schedules, personnel assignments, and operational readiness across 8 domestic radar sectors and 5 oceanic non-radar sectors.
- Design and deliver FAA-approved ATC training programs including simulation scenarios, classroom instruction, and structured evaluations.
- Developed a web-based oceanic ATC scenario design tool by reverse-engineering FAA air traffic control system to generate realistic controller training scenarios, reducing scenario creation time by over 60%.
- Build and implement a Python automation tool to streamline annual revalidation of a 300+ scenario library, saving 125+ hours of manual documentation work per year.
- Serve as liaison between FAA, union training representatives, and internal leadership to ensure effective training programs.
- Lead a team of 18 (12 Remote Pilot Operators and 6 instructors) by assigning daily work, maintaining staffing readiness across all simulation positions, and onboarding new hires.
- Diagnose, prioritize, and resolve hardware-related training system issues following major lab modernization, ensuring rapid restoration and uninterrupted simulation operations.

### Science Applications International Corporation (SAIC)

July 2019 – Sept 2020

*Remote Pilot Operator*

*Fremont, CA*

- Operated virtual aircraft in high-fidelity ATC simulation environments, voicing radio communications and portraying surrounding control sectors to create realistic training conditions for controller trainees.
- Maintained training records and validated simulation data to support program accuracy and compliance.

## EDUCATION

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### Utah Valley University

May 2024

Bachelor of Science, Aviation Management

## CERTIFICATIONS & NOTABLE PROJECTS

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**Certifications**

- FAA Private Pilot (Airplane Single Engine Land) June 2017 – Present
- FAA Part 107 sUAS June 2018 – Present

**FAA System Wide Information Management (SWIM) Flight Data Pipeline**

- Personal project ingesting real-time FAA SWIM feeds into a PostgreSQL database for storage, querying, and analysis of live flight data, including controlling sector assignments, potential reroutes, and other operational information not typically visible to pilots.