



AVA DAVIS

Avionics Engineer

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PROFESSIONAL SUMMARY

Innovative Avionics Engineer with 7 years of extensive experience in designing, integrating, and validating sophisticated avionics systems. Skilled in enhancing system performance and ensuring compliance with aviation regulations. Eager to apply advanced technologies to improve aircraft safety and operational efficiency, driving successful project execution in various aerospace environments.

WORK EXPERIENCE

Avionics Engineer Jan / 2021-Ongoing
Quantum Solutions LLC Phoenix, AZ

- 1. Designed and implemented advanced flight control systems for various aircraft models.
- 2. Performed detailed analysis and optimization of flight dynamics using MATLAB and Simulink.
- 3. Conducted simulations to ensure structural integrity and performance of avionics systems.
- 4. Created 3D models and prototypes utilizing SolidWorks and AutoCAD.
- 5. Developed comprehensive bills of materials for avionics projects.
- 6. Executed field testing and troubleshooting for avionics installations.
- 7. Utilized machining techniques to construct and refine prototype avionics systems.

Avionics Engineer Jan / 2018-Jan / 2021
Silver Lake Enterprises Seattle, WA

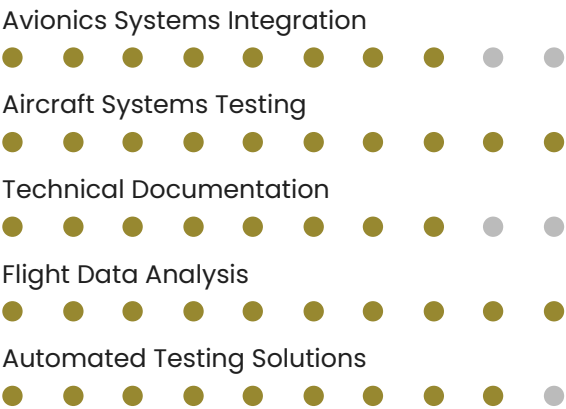
- 1. Led a team in the Level III maintenance of the Fleet's Autopilot System, ensuring operational reliability.
- 2. Integrated cutting-edge avionics into existing aircraft systems, enhancing functionality.
- 3. Provided expert engineering support during the checkout and troubleshooting phases for upgraded avionics.
- 4. Served as Flight Test Engineer, overseeing FAA certification of new avionics systems.
- 5. Developed schematics and wiring diagrams using AutoCAD, facilitating technician training.
- 6. Resolved technical issues during avionics equipment installation and checkout on various aircraft.

EDUCATION

Bachelor of Science in Electrical Engineering Jan / 2015 - Jan / 2018
University of Michigan Chicago, IL

Focused on avionics systems and control theory, completing projects on flight dynamics.

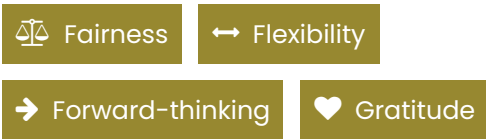
SKILLS



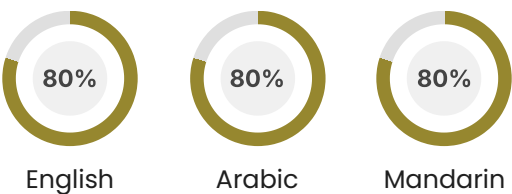
INTERESTS

- Gaming
- Fashion
- Film
- Technology

STRENGTHS



LANGUAGES



ACHIEVEMENTS

- ★ Led a project that improved avionics system reliability by 30%, enhancing aircraft safety.
- ★ Streamlined the integration process for new avionics, reducing installation time by 25%.
- ★ Conducted over 50 successful flight tests, ensuring compliance with FAA standards.