

# RACHEL FOSTER

## Aerospace Software Engineer

Houston, TX  
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(555) 987-6543  
GitHub | Portfolio

### Aerospace software engineer specializing in flight systems and avionics

Highly skilled aerospace engineer with eight years of experience developing flight control software, avionics systems, and safety-critical software.

## PROFESSIONAL EXPERIENCE

### AEROSPACE SOFTWARE ENGINEER

SpaceTech Innovations | Houston, TX | July 2019 - Present

- Developed real-time flight control software, reducing execution time by 25%
- Improved data processing algorithms, increasing telemetry accuracy by 20%
- Implemented software-in-the-loop (SIL) testing, reducing system errors

### EMBEDDED SOFTWARE ENGINEER – AVIONICS TEAM

AeroSystems Inc. | Denver, CO | June 2016 - June 2019

- Designed and tested fault-tolerant avionics software, improving system reliability
- Developed firmware for space-grade microcontrollers, enhancing radiation resistance

## EDUCATION

### MASTER OF SCIENCE IN AEROSPACE ENGINEERING

University of Texas at Austin | May 2016

## KEY SKILLS

- C, C++, Ada, MATLAB
- Avionics software development, flight control systems
- Real-time simulation, embedded software
- DO-178C, FAA safety compliance