



Rachel Foster

Aerospace Software Engineer

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.

Location

Houston, TX

Phone

(555) 987-6543

Email

rachel.foster@email.com

Website

GitHub | Portfolio

Education

University of Texas at Austin | May 2016

Master of Science in Aerospace Engineering

Key Skills

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

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