

Robert Smith

Aerospace Engineer

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SUMMARY

Aerospace Engineers will perform design/analysis duties and lead teams of younger engineers.

SKILLS

Project and Time management skills, Technical expertise.

WORK EXPERIENCE

Aerospace Engineer

ABC Corporation - May 2007 – October 2014

- Worked on developing OpenGL based scientific analysis tool.
- Inspired algorithm optimization for the Morpheus flight vehicle, tuning parameters in uncertain and dynamic environments, machine learning applied.
- Presented research at conferences and workshops.
- Project Lead on the Payload Deployment and Retrieval System for the space shuttle (robotic).
- Integrated Shuttle/Space Station robotic arm real-time simulations in a networked environment.
- Performed modifications according to customer requirements and merged changes into overall distributed simulations.
- Delivered finished code to customer to be used in training astronauts on spacecraft subsystems.

Aerospace Engineer

Delta Corporation - 2004 – 2007

- Analyzed spacing and separations for Bucharest FIR in accordance with Eurocontrol specifications Developed mathematical model for Romanian airspace .
- Developed, designed, tested and certified aircraft systems ECS, Airframe Anti-Ice, Cabin Pressure Control System Designed and analyzed aircraft fuel,.
- Aided in the development, testing, and debugging of the Advanced Aircraft Analysis and G.A.-CAD aviation design and analysis software.
- Supported development of the Help system for G.A.-CAD.
- Develop and implement strategic plan for Aerodynamic, Hypersonic, Rocket and Space test capabilities for a wide range of technologically advanced and .
- Established plan for liquid rocket stand return to service.
- Increased test envelope for the arc-heated wind tunnel.

EDUCATION

PhD in Aerospace Engineering - (North Carolina State University - Raleigh, NC)