

Ron Clark
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Summary: * Software Engineer with 28 years experience.
* Languages: Ada(MIL-STD 1815A), FORTRAN, C/C++, Assembly, Python, WxPython
* Development Environments: Linux, Microsoft Visual Studio

Education: Master of Science, Engineering Management, 1992
University of South Florida, Tampa, Florida

Bachelor of Science, Aerospace Engineering, 1982
University of Missouri-Rolla, Rolla, Missouri

Experience:

9/08 - Present *President, Dynamic Systems, Inc.*
and Contracted Engineering Services to the following;
2/98 – 7/03

Aero Simulation Inc. Tampa FL.
C-2A Flight Simulator, E-2D Operational Flight Trainer, E-2C Operational Flight Trainer
* Aerodynamic model development, integration.
* Aerodynamic acceptance testing with customer.
* Flight Test Data Evaluation.

SimCom Training Centers, Orlando FL.
* Develop/Integrate Automatic Fidelity Testing Software
* Modify existing software to obtain FAA Certification for various Flight Simulators.
(PC-12 , TBM 850 , King Air 350)

Aeronautical Systems Engineering, Tampa FL.
Boeing 737-200 Full Flight Simulator:
* Integration of all Systems Software.
* Responsible for Flight Systems Acceptance Test Guide for FAA certification.
* Integration of flight and flight controls software into Auto Test System.

ALH Systems, Inc. Oldsmar FL.
Boeing 727 Cockpit Procedures Trainer
* Responsible for design, code, test and integration of all systems software.
C130H Cockpit Procedures Trainer:
* Responsible for test and integration of all systems software.

CAE., Tampa FL.
F/A-18 E/F Part Task Trainer:
* Aerodynamics and Flight Controls Computer integration, Acceptance Test Guide matching.
C130J Full Flight Simulator:
* Aerodynamic Model Development, Acceptance Test Guide matching.
C130J Systems Familiarization Trainer:
* Updating Mission Computer software to match latest aircraft version.
* Integrate Aircraft Systems code with Mission Computer Simulation.
* Customer Acceptance in plant and on-site.

- 7/03 – 8/08 *Staff Engineer, Opinicus Corp.*
 Beachcraft B200/B1900 Full Flight Simulator
- * Aerodynamic Model Development.
 - * Develop Acceptance Test Guide.
 - * Lead/Train group of Junior Aero Engineers.
- C130 H2/H3
- * Aerodynamic Model Development.
 - * Develop Acceptance Test Guide.
 - * Develop Utilities to Analyze Flight Test Data.
- A320 Full Flight Simulator
- * Code, Test, Integrated Engine Models.
 - * Developed Simulation, Code, Test, and Integrated Flight Augmentation Computer.
 - * Acceptance Test Guide matching.
- 8/97 – 2/98: *Principal Engineer, Raytheon E-Systems, St. Petersburg Fla.*
 Cooperative Engagement Capability Program:
- * Preliminary design of communications software.
- 5/96 – 8/97: *Lead Software Engineer, Reflectone Inc., Tampa Fla.*
 C130J Systems Familiarization Trainer:
- * Software design, code and test of mission computer simulation.
 - * Software design, code and test of Animated Schematic software.
- Reconfigurable Tactics Trainer:
- * Implement Aerodynamic models for various helicopter configurations.
- 7/94 – 5/96: *Senior Aero Engineer, Enzian Technology, Orlando Fla.*
 SH-3H Operational Flight Trainer:
- * Conversion, test and integration of Flight, Engines and Autopilot (ASE) Systems. Converted code from Harris 1000 Assembly to Ada.
 - * Responsible for coordinating efforts of subcontractors for simulation baseline effort and Automatic Fidelity Test integration.
 - * Created and maintained a unit test system in Ada to meet MIL-STD 2167A requirements.
- 11/88 – 7/94: *Flight Dynamics Engineer, Reflectone Inc., Tampa Fla.*
 Boeing 737-300 Full Flight Simulator:
- * Responsible for flight portion of FAA (AC 120-40B Level C) certification.
 - * Implement Flight Dynamics systems. (Aero Model, Ground Handling, Pitot Static, Weight & Balance, Atmosphere, Equations of Motion, Autotest System)
- Bae-146 Full Flight Simulator:
- * Responsible for coding and testing of FAA Windshear models.
 - * Coding of Aerodynamics model, Hinge Moments, Weight and Balance.
 - * Automatic Test Guide.
- SOF-ATS C130 Full Flight Simulator:
- * Responsible for design, code and test of various flight systems.

1/82 – 11/88: *Aerodynamics Engineer, McDonnell-Douglas Aircraft Company, St. Louis Mo.*

AV-8B:

- * Developed aerodynamic models from flight test data for engineering simulators.
- * Calculated aircraft stability and control.
- * Developed FORTRAN code to analyze flight test data.

A-12: * Determined Carrier Suitability

F-18: * Wind Tunnel Testing
* Determined Carrier Suitability