

Rowin Andruscavage

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- Objective** Project/product development using my diverse skills in systems architecture and engineering design, rapid prototyping, simulation, & integration.
- Skills** **Computing:** UNIX (clusters, Linux, SUN), PERL, Java, C/C++, Matlab, SQL, office suites, web publishing, Cold Fusion; **Analysis & Visualization:** UML, XML Schema, FEA, 3D rendering & animation, graphics manipulation/scripting; **Integration:** open source, standards-based software, networking, hardware (SCSI & fibre channel), ADC/DAC interfaces
- Aviation Experience** **Systems Engineer**, The Boeing Company - Air Traffic Management, McLean, VA 2001-2004
- Director of high profile R&D laboratory
 - Software engineering of UML-to-code discrete event simulation engine
 - Demonstration integration & execution under government contract
- Cornell R/C Aircraft Team** 1999
- Batch in-flight video processing, correlation to GPS data
- Cornell Rigid Airfoil Team**, catamaran wingsail watercraft 1996-97
- CFD simulation of multi-element airfoil, 1/6 scale working model
- Homebuilt aircraft** 1994-96
- Machined and assembled parts for the *Quail*, a single seat aluminum airplane
 - Built and flew radio controlled glider and gas powered models
- Computing Experience** **Prod. Dev. Engineer**, PATMOS Int'l Corp., Ocean City, MD 2000
- Design & implementation of hardware and software systems for scaleable, low-maintenance, high-availability supercomputing clusters
- Undergraduate Research**, Cornell University, Ithaca, NY 1996-99
- Refined instrumentation, data analysis used to measure granular flow properties in microgravity
 - Developed image processing software to increase data throughput
- DevBusiness.com Manager**, World Bank, Washington DC 1999-present
- Upgraded front and backend to use new RDBMS schema
 - Work closely with management to improve & update site of 2,000+ users
- Education** **University of Maryland**, College Park, MD May 2004
- M. Eng. Systems Engineering, conc. in wireless networks
- Cornell University**, Ithaca, NY May 2001
- B.S. Mechanical & Aerospace Engineering
Dean's List 4 semesters
- Eleanor Roosevelt High School**, Greenbelt, MD June 1996
- Science & Technology Magnet Program
- Activities** **Linux.com/tuneup** volunteer for performance computing site 1999-01
- Cornell Student Linux User's Group** : President 1996-99
- CU ASME** : PR, web page manager 1996-99
- Taekwondo** : black belt, instructor 1996, 01