

Sample Curriculum Vitae (CV)

For Research/Academic Positions

Johnny Rocket

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EDUCATION

Embry-Riddle Aeronautical University, Daytona Beach, FL

Master of Science, Aerospace Engineering, May 2009, (3.75 GPA)

Thesis Topic: "Optimization of Airline Flight Scheduling using Dynamic Programming Method"

Advisor: Dr. Aries Orion

Bachelor of Science, Engineering Physics, May 2007, (3.5 GPA)

RELEVANT COURSEWORK

Aircraft Structures I, II, Aerodynamics I, II, Electrical Engineering I, II, Statics, Dynamics, Fluid Dynamics, Experimental Aerodynamics Laboratory, Solid Mechanics, Advanced, Engineering Mathematics I, II, Space Mechanics, Spacecraft Attitude Dynamics, Spacecraft Control, Systems, Spacecraft Preliminary Design, Turbine and Rocket Engines, Introduction to Space Navigation, Aerospace Structures and Instrumentation

RESEARCH EXPERIENCE

Research Student Assistant, Physical Sciences Department, *Embry-Riddle Aeronautical University*, Daytona Beach, FL, August 2005 – May 2006

- Conducted federally funded research toward the understanding of the atmosphere
- Analyzed and sorted valid data coming from Spectrometers using IDL V6.2 and MATLAB
- Assisted in graphing data and communicated results to researcher

TEACHING EXPERIENCE

Teaching Assistant, Engineering Sciences Department, *Embry-Riddle Aeronautical University*, Daytona Beach, FL, August 2008-Present

- Courses: Physics I and Physics II

Math/Writing Tutor, First Year-Programs; *Embry-Riddle Aeronautical University*, Daytona Beach, FL, August 2006-May 2007

- Courses: Calculus I

PRESENTATIONS

Conference presentations

Candor, P.E. and Rocket, J. "Miniature Energy Storage Flywheels", presented at National Society of Black Engineers, Las Vegas, 2009.

PUBLICATIONS

Journal articles

Rocket, J., M.L. Thompson and E.W. Walker. 2008. Miniature Energy Storage Flywheels. *Journal of Engineering Education*. (forthcoming)

Rocket, J., Simpson, D.B., and S.P. Ziegler, 2008. Capillary Force Actuators for Micromachines. *IET Intelligent Transport Systems*. Vol. 3(2), pp. 86-98, 2008

WORK EXPERIENCE

Engineering Intern, *The Boeing Company*, Seattle, WA, May 2008-August 2008

- Worked in a virtual environment
- Assisted with maintaining web servers and Information Technology Vision Channel
- Developed a high-level report geared toward customer consumption
- Group project presentation to upper level managers and vice-presidents

Student Assistant, *Career Services Office*, Daytona Beach, FL, May 2006-Present

- Provided customer service, personal and virtual product production and maintenance

Cashier, *Publix Super Markets, Inc*, Daytona Beach, FL, September 2003 – May 2004

- Provided customer service at checkout

HONORS/AWARDS

Honors in Community Studies, Embry-Riddle Aeronautical University, July 2008

President's Undergraduate Fellowship, Embry-Riddle Aeronautical University, June 2008

Honors in Research Presentation, Summer Research Opportunity Program (SROP), University of Illinois, Urbana-Champaign, May, 2008

Certificate of Achievement, Faculty Mentor Program (FMP); Embry-Riddle Aeronautical University, January 2008

Leadership Award, National Society of Black Engineers; Embry-Riddle Aeronautical University, December 2007

VOLUNTEER EXPERIENCE

Event Volunteer, "Up 'Til Dawn", Embry-Riddle Aeronautical University and St. Jude's Hospital for Children, Daytona Beach, FL, February 2009

SKILLS

Computer: Windows XP & MACOSX, Adobe PhotoShop, Microsoft PowerPoint, Word, Excel, FileMaker Pro, PageMaker, CATIA v. 5, NASTRAN, MatLab

Other: Internet/Library Research, Project Planning

REFERENCES *(optional)*

Dr. Aries Orion

Associate Professor, Aerospace Engineering Dept.

Embry-Riddle Aeronautical University

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Dr. Mister Astronaut

Researcher, Physical Sciences Dept.

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