

SEAN M. ANDERSON

Curriculum Vitæ

WORK EXPERIENCE

JAN. 2007 – JUN. 2009

Freelance Photographer
Buenos Aires, AR

Execution of several projects, both personal and professional.
Creation of several personal websites, and content for others.

SUMMER 2006

Part-Time Faculty
University of Alabama in Huntsville, US

Created and taught the first offering of Physics of Photography, PH489. This one credit course provided a fundamental overview of optics and image creation, in relation to photography. Offered to secondary education teachers for 3 days (intensive) during summer semester.

AUG. 2005 – DEC. 2006

Translation Consultant
Parent Tutor Corporation, US

English to Spanish translation of Tutorials designed for parents with young children, grades kindergarten through 8th.

FALL 2004 – FALL 2005

Teaching Assistant
University of Alabama in Huntsville, US

Instructed undergraduate Physics labs 2 and 3 corresponding to classes PH112 and PH113 respectively.

FALL 2002 – SUMMER 2006

Research/Technical Assistant
University of Alabama in Huntsville, US

Research on a variety of topics including: sensors, applications of optical infrared transmitters and receivers for transmitting information from rotating platforms to stationary bases, thin film optical analysis and testing, transmittance and optical properties of helicopter fluids, testing of LED based anti-collision airplane lights, holography, and sonoluminescence.

SKILLS

Expert	Computer Hardware, Image Manipulation, \LaTeX
Intermediate	Linux, FOSS, HTML, CSS, Video Editing
Beginner	Parallel Programming, Python, HPC

LANGUAGES

ENGLISH	Native Language
SPANISH	Fluent

US Citizen, 28 Years Old



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EDUCATION

JAN. 2012 Master of Science (OPTICAL SCIENCE)
Centro de Investigaciones en Óptica, MX
Thesis: Optical Nonlinear Spectroscopy of Gold and Silicon Nanoparticles
GPA: 9.49/10.0

MAY 2006 Bachelor of Science in PHYSICS
with minor in MATHEMATICS
magna cum laude
University of Alabama in Huntsville, US
GPA: 9.675/10

HONORS AND AWARDS

Highest Master Student GPA	MAR. 2011
Departmental Physics Honors	MAY 2006
Barry Goldwater Foundation Nomination	2004, 2005
Gerhard Heller Memorial Scholarship	2003 – 2006
Dean's List of Distinguished Students	2002 – 2006
Academic Excellence Scholarship	2002 – 2006

PUBLICATIONS

E. Hong, A. Krishnamurthy, D. Gregory, S. Anderson. Optical slip ring for sensor interface applications. 2006. *Sensors for Propulsion Measurement Applications, SPIE Proceedings Volume 6222*.

D. Solís, T. López-Luke, E. De La Rosa, O. Meza, S. Anderson. Syntonized white up-converted emission by Tm^{3+} - Yb^{3+} - Er^{3+} - Ho^{3+} doped ZrO_2 nanocrystals. 2010. *Light-Emitting Diodes: Materials, Devices, and Applications for Solid State Lighting XIV, SPIE Proceedings Volume 7617*.

S. Corzo-Garcia, R. Medina-Lopez, S. Anderson, E. Castro-Camus, R. Carriles, A. Ruiz-Marquez. Reliable and economical method to join optical tables. 2011. *Optics and Lasers in Engineering 49, 1251–1253*.

INTERESTS AND ACTIVITIES

Open-Source	Cinema	Cooking
Linux	Photography	Travel
HPC	Tango	Adventure