

# Anthony Liang, Ph.D.

Physicist

No. 33, Ln. 186, Yude 2nd Rd., North District  
Tainan City, Taiwan 70450  
Cellphone: 0975954735  
Email: [whymranderson@gmail.com](mailto:whymranderson@gmail.com)

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## Education

- Georgia Institute of Technology, Atlanta, Georgia, 2003 - 2009  
Ph.D. in Physics
- National Taiwan University, Taipei, Taiwan, 1999 - 2003  
Bachelor of Science in Physics
- National Tainan First Senior High, Tainan, Taiwan 1997 - 1999

## Work Experience Summary

- Freelance Physicist, Jan 2013 - current  
Development and verification of a physical model and its computational algorithm on orientation/attitude dynamics. And apply them to simulation of rigid body like a gyroscope's 3D animation, and to orientation estimation in strap-down inertial measurement units. Systematic comparison to analytical solutions is exclusively included.
- Postdoctoral Research Associate  
University of Southern California, March 2010 - December 2012  
Studied interactions of metal nanoclusters with photons and electrons at different temperatures in a molecular beam.
- Lecturer  
University of Southern California, September 2010 - May 2011  
Taught two semesters of introductory physics to life science undergraduates.
- Research Assistant  
Georgia Institute of Technology, September 2003 - December 2009  
Studied ferroelectricity, electric and magnetic susceptibilities in metal nanoclusters at low temperature and measured electric susceptibility of sodium metal clusters at 20 K.