

Experience

SheekGeek LLC, Charlotte, NC

4/2005 – Present

Co-Owner/R&D

- Built business from the ground up
- Designed circuits and PCBs in EagleCAD
- Pursued designs from concept to production
- Designed and implemented an ecommerce website based on ZenCart (<http://sheekgeek.com>)

Dance.Draw Charlotte, NC

6/2010 – Present

(NSF grant project at the UNCC),

Hardware Engineer / Graduate Research Assistant

- Design and implementation of hardware associated with the measures of audience biometrics and dancer orientation, motion and gesture tracking for wired and wireless systems
- Research new methods and applications for the technology
- Designed and conducted user studies and analyze resulting data

North Carolina Junior Engineering and Technologist Society, Charlotte, NC

4/2007 – 6/2010

(NSF grant project at the UNCC)

Student Project Coordinator/Graduate Assistant

- Planned major events and competitions involving up to 700 people
- Designed rules and courses for robot, trebuchet, paper, and website competitions
- Designed curriculum for and taught middle and high school summer camps
- Increased enrollment by presenting to schools about the NCJETS program

Freelance Writer, Charlotte, NC

5/2008 – 6/2009

- Creating how-to project articles at Hackaday.com (<http://hackaday.com/author/adamharris/>)
- Published in Instructables.com Best of Instructables Volume 1, O'Reilly Media Inc. 2008
- Author and Owner of DIY blog website SheekGeek.org (<http://sheekgeek.org>)

Education

University of North Carolina at Charlotte, Charlotte, NC

- PhD. Electrical Engineering Expected 5/2013
- M.S. Electrical Engineering 5/2011
- B.S. Electrical Engineering Technology 5/2008

Skills

Software: Development on UNIX, Linux, Mac OS X, iOS, and Windows XP Systems

Languages: Embedded C, and C/C++, Assembly language, Java, VHDL.

Hardware: Renesas M16C, ATmega128, ATmega168, AtTiny2313, 68HC11, 68000, Spartan3

Personal Interests

Robotics, design, writing, mountain biking, singing and playing guitar (playing shows periodically), kayaking, education, literature, and the DIY community