

**Short list of workshops, events and presentations coordinated and performed:**

**Universities:** Embry-Riddle Aeronautical University, MIT, New York University, University of Colorado, Colorado State University, ITP, Stetson University, University of Arkansas, Longwood University, East Carolina University, University of Massachusetts, Hampshire College, Illinois State University, University of Wyoming, Tufts University

**Museums:** Denver Museum of Nature & Science, Science Museum Oklahoma Network, Arkansas Museum of Discovery, Science Museum of Minnesota, Union Station Science City, Boulder Museum of Contemporary Art, Strategic Air & Space Museum

**Organizations and conferences:** Discovery STEM Institute, DesignWest 2013, Make a MakerSpace, TEI 2012, USASEF 2012 & 2014, multiple Maker Faires, NSTA, ISTE, NSBA, IT-oLogy, POSSCon 2013, Colorado Space Grant Consortium

**Additional:** Uganda, Rwanda, US Public & Private K-12, US Library system, after school programs, Artisan's Asylum, StarBot Inc

**Education** **BA with Individual Concentration**, University of Massachusetts, Amherst MA

*Multi-Media Education* (Computer Science, Education and Art)

**Skills** **Hardware:** Micro-controllers, ATmega, sensors, PCB design, E-Textile, XBee, Bluetooth, GPS, PTH, SMT, RFID, RF  
**Programming and Software Tools:** C++, Java, GCC, Arduino, Processing, Eagle, Fritzing, XCTU, ActionScript, JavaScript, Director, HTML, WordPress, GIMP, Inkscape, Adobe Suite  
**Animation Programming and Modeling:** Flash MX, Photoshop, traditional cell animation, Director, Animation Master, clay modeling and animation, Infini-D, Maya, SketchUp  
**Audio Recording and Editing:** Ableton Live, Cakewalk, Sound Forge, SoundEdit Pro, Pro Tracks, Audacity  
**Film and Video Editing:** Analog Linear Editing Station, Adobe Premiere, media conversion

**EXPERIENCE**

[LinzeeCraig.com](http://LinzeeCraig.com), 2014 to Present

- Product and Curriculum Development for the Ugandan organization Fundi Bots. Event management, research and development, growth facilitator, promoter, logistical planner, trainer, network extension, infrastructure creation and maintenance. Delivered workshops in Rwanda and Uganda. Raised scholarship funding, hardware donations and awareness through promotional media.
- Project management for international research and development team, lab organization and curriculum development.
- Prototyping, product creation and consulting for organizations including Othermachine.co's portable CNC mill, CADSoft USA's PCB software *Eagle*, and TI's *LaunchPad* line; through prototyping, prototype assessment, blogging, events and PCB creation.
- Extensive connections in the Electrical Engineering and Technology world with the ability to place products via social media. Blogging at [MakeRobotsNotWar.com](http://MakeRobotsNotWar.com), [EETimes.com](http://EETimes.com), [SparkFun.com](http://SparkFun.com) and [OystersAndPearls.org](http://OystersAndPearls.org).
- Workshops on programming, prototyping, PCB creation, soldering, wireless, e-textiles, microcontrollers, basic electrical engineering, educational technology, train the trainer, technology and art integration.
- Curriculum development to teach GUI programming with JAVA in Processing, Bluetooth usage and calibration, PCB design, transistor based logic gates, video game design, farm automation, prototyping, soldering and rework.
- Website content and curriculum development for [Arcbotics.com](http://Arcbotics.com), an international educational robotics company.

**Educational Outreach Coordinator** at SparkFun Electronics, Boulder CO, 2010-2014

- Oversaw product cycle start to finish, including board design, BOM, documentation, feedback and revision.
- Co-founded SparkFun Electronics Education Department. Trained and managed incoming staff as the Department of Education grew from two to eight. Lead instructor and instructor trainer for technology classes offered at SparkFun Electronics.
- Developed curriculum and educational material for twelve technology classes offered at SparkFun Electronics. Created OpenSource educational material for micro-controllers, GUI creation, wireless, *Summer Semester* (a five day prototyping class for engineers and professionals) and others. Created tutorials, materials and videos detailing various embedded technologies.
- Outreach and support via email, donations, site visits, curriculum tailoring and crowdsourcing in Americas, Europe, New Zealand, Africa and China, including significant projects with Harvard University, MiniBlox, National Electronics Museum and [Arduino.cc](http://Arduino.cc).
- Coordinated translation of educational materials into 14 languages.
- Planned and executed first two SparkFun EDU National Tours. Established 20% Educator discount.
- Planned launch of Learn.SparkFun.com website, created the majority of initial content as well as site upkeep and expansion.

**Site Leader, Teacher and Trainer** at OpenWorld Learning, Denver CO, 2006-2010

- Developed new curriculum for educational programming software.
- Planned age-appropriate, computer-literacy activities for 30 - 20 middle school students and trained assistant instructors.
- Nominated for 2009 Apex Awards at the Colorado Technology Conference.

**Driver, Navigator, Warehouse Manager, Mapper** at C.T., Avon CO, 2002-2007

Managed and led warehouse crew, navigators and drivers. Mapped, managed and drove routes across fifteen states.

**Multimedia Teaching Assistant** at UMass, Amherst MA, 2001-2004

Taught interactive media building and programming. Managed undergrad teams: project management, creative and technical support.