

Michael Shiloh
Teaching Positions

California College of the Arts, Oakland, California

Summer, 2011 (May 2011)
Basic Electronics and Arduino
Spring, 2011 (January 2011)
Basic Electronics
Spring, 2006 (January 2006)
Recombinant Media

San Francisco State University, Conceptual and Information Art, San Francisco, California

Summer, 2011 (July 2011)
Art 511.3 - Electronics, Robotics and Physical Computing (see below)
Spring, 2011 (January 2011)
Art 511.3 - Electronics, Robotics and Physical Computing (see below)
Spring, 2010 (January 2010)
Art 511.3 - Electronics, Robotics and Physical Computing
Hands-on studio course on the intersection of experimental art, interactivity, new media, and technology. Surveys previous artistic work with physical computing and technology such as machine art, ubiquitous computing, and interactive sculpture. Explores the aesthetics and teaches the techniques of media events and installations based on technologies of electronics, sensors, and actuators.

The Exploratorium, San Francisco, California

April-May 2011
In-House Arduino class Series (see below)
October-November 2010
In-House Arduino class Series
Arduino: Basic concepts, installation and first program; Basic Circuit Theory, Voltage Dividers, Transistor Drivers; Motors; Sensors; Relays; Inter-Computer Communication, Interacting with the Internet; Safety and Isolation; Timer Counters and Interrupt Logic

Art Institute of California, San Francisco, California

Spring 2011 (April 2011)
AU1333 Audio Electronics I (see below)
Winter 2011 (January 2011)
AU1343 Audio Electronics II (see below)
AU2333 Audio Electronics III (see below)
Fall 2010 (October 2010)
AU1333 Audio Electronics I
AU1343 Audio Electronics II
Summer 2010 (July 2010)
AU1411 Science of Sound I
Fundamental Theory of sound waves; Propagation, Distortion, Absorption, and Reflection; Pressure; Intensity; and Decibels
AU2333 Audio Electronics III
Advanced Electronics: Tube and Transistor Amplifiers; Microphone Amplifier Construction; Microphone Testing and Evaluation

Spring 2010 (April 2010)

AU1333 Audio Electronics I

AU1343 Audio Electronics II

Winter 2010 (January 2010)

AU1333 Audio Electronics I

Fundamental Electronics: Basic Circuit Theory, Introduction to Transistors; Simple Circuit Construction; Test Equipment; Soldering

AU1343 Audio Electronics II

Intermediate Electronics: Passive Filters; Transistor Amplifiers; Operational Amplifiers; Active Filters; Intermediate Circuit Construction

Lift 10 Conference, Geneva, Switzerland

May 5-7, 2010

Co-designed and co-taught a collaborative tinkering workshop in which participants built electromechanical contraptions which were then exhibited during the conference.

<http://liftconference.com/lift10/workshops/hands-co-creation-iec>

LIFT with FING, Marseille, France

May 22, 2009

Co-designed and co-taught “Tinkering and Chain Reaction Workshop”, in which participants learned simple and rapid construction techniques while building mechanism and electromechanical contraptions, culminating in a group chain-reaction project.

<http://liftconference.com/teach-me-make-michael-shiloh>

The San Jose Tech Museum of Innovation, San Jose, California

January 2008 to December 2009

“Shock Squad”: Designed and taught A series of workshops introducing youth to electronics and electromechanics

The Crucible, Oakland, California

September 2008 to present

“Electronics and Kinetics” department head and lead instructor. In addition to designing and teaching classes, responsibilities included running department: developing new classes and finding suitable instructors, working with studio staff to improve infrastructure to increase effectiveness and attractiveness of classes; working with education staff to improve course relevancy and increase enrollment; represented department at Crucible open houses, Fire Arts Festival, and other public and private events.

Arduino Microcontrollers: Building Smart Art

Introduction to Kinetics and Mechanical Sculpture

Electromechanics for Everything

Handmade Electronic Music & Sound Design

Youth Kinetics Contraptions

Youth Kinetics Kits

Youth Robots

Make Magazine, O’Reilly Media, Inc., Sebastopol, California

October 2008 to December 2008

Instructor, Make Magazine's outreach program to schools

Developed projects and lesson, and taught about 20 workshops at elementary and high schools in the San Francisco Bay Area
Spring 2006, 2007, 2008, 2009, 2010
Workshop developer and lead instructor
Make Play Day workshop at Maker Faire
Largest workshop at Maker Faire, taught many hundreds of participants electronics, mechanics, and tinkering

Linux System Administration, Professional Course, Sunnyvale
2002 to 2005
Lecturer, professional Linux system administration