

JESSICA COBB

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WEBSITES:
www.JessicaCobb.com
www.OpenFem.org
www.EmmettCobb.com
www.MissionControlLab.com
www.MakeWithRapidPrototyping.com
www.GroundControlShoes.com

EXPERIENCE – PROFESSIONAL ACTIVITY

OpenFem.org- Open Source Menstruation and Contraception Devices **2014 – Current**

A series of free, 3D printable, downloadable for women which they can customize, and acquire for free. This initiative encourages women to access Open Source resources such as instructables.com, thingiverse, github, and a free open source 3D modeling learning tool. These objects save many thousands of dollars for women over their lifetime, create a dialogue for conversation about the body, and promote health, wellbeing, and the greater quality of life through choice.

Introduction to New Media Arts- Instructor- University of Illinois **2014 –2015 Academic year**

This course covers topics in New Media Art that include basic electronics and material fabrication. The course surveys circuit building with sensor components and microprocessors for the control of motors, light, screens and sound. CAD CAM processes for rapid prototyping are introduced with software for lasers, 3D printing, vinyl cutting and various techniques for soft circuit building. Students combine these topics of research with a conceptual theme into 3 projects over the course of the semester with lab work and lecture participation.

MakeWithRapidPrototyping.com - FireTechCamp- Developer **October 2013- Current**

-Curriculum Development and laboratory build out for the Imperial College of London, UK affiliated Tech school.
-Trained Graduate Students how to work with CAD CAM Machines and software in order to lead and teach innovation teams in prototyping inventions. -Extensive print manual with pedagogy, project execution, base files, software navigation and material and equipment budgets. -Develop, material and equipment sourcing, facility build out, international project execution.

Bionico- Open Source Bionics **April 2014- Current**

-Research and Development strategy mapping.
-Developed structure for analyzing and building data bases to encourage efficient logging and access to technology developers. -Circuit analysis- Power and Myoelectric sensors

Ground Control Shoes- Prescriptive Lower Limb Prosthetic Optimizers **May 2013- Current**

-Research and development of prescriptive lower limb prosthetic optimizer for carbon fiber foot blades.
-Design and strategy for global production, marketing and manufacturing. -Manage and direct research team in prototyping. -Material research and field study of performance prescriptive prosthetics

Emmett Cobb LLC – Founder, CEO **April 2009 – Current**

-Consulting, product development, design, and execution of private client product/inventions for applications in Ophthalmology, Prosthetics, Bio-Psychology, Architecture, Design, including and among others.
-Source and direct project specific teams from initial design dialogues through project completion.-Prototyping, and fabrication with integrative materials, CAD CAM, programming for mobile applications, digital interactive interface for responsive environments, custom field specific technology and media.
-Strategic organization- facilitate and administer several projects and their objectives simultaneously.

Mission Control Lab- Founder, CEO **April 2013- Current**

- Design Product Line for interior and exterior applications of eco- and human rights conscious application of CAD CAM products. 3D printed PLA, ABS, Rubbers and Nylon. Custom LED lighting and controls, programmed micro controllers, sensors and animation, blown glass, resin, bronze, mild steel, aluminum, iron, hard woods, acrylic,among others.

NMA and MANA Laboratory- Graduate Staff and Teaching Assistant **August 2013 – Current**

-Introduction to New Media Arts Instructor- curriculum development and delivery.
-Physical computation laboratories building, development and administration.
-Work with faculty to prepare robotic seminars, hack-a-thons, make-a-thons and curriculum media
-Source equipment for MANA Maker Space. -Assist Supervisor with project execution, and lab development.

Center for Community Research-R.A.,P.I,Dynamic Systems Research- HPA Axis**2007-2009**

-Research assistant for developmental psychobiology and neuro- immunological research. Assisted director of clinical research department working directly with doctors, staff and patients in longitudinal studies using mindfulness based meditation(Eastern Practices) interventions for grants and theory publications in developmental psychobiology and neuro-immunology. Presented weekly team status-progress-objective reports. Mentored office staff additions in protocol and procedures. -Interviewed participants under certified confidentiality standards. Arranged specimen lab work, MRI, EEG-Private Investigation- Patient recovery.

Lunar Burn Studios- First Assistant**2009- 2010**

-Sculpture fabrication using cast bronze, cast iron, stainless and mild steel.-Mold making using lost wax techniques, silicone, and sand. Foundry team member. -Facility organization and management, maintain instrumentation, inventory, administration of projects.-Public Events- Demonstration, fund-raising, education organizer. Safety coordinator.

De Paul University- Fine Art Department- Laboratory Manager**2009-2010**

Worked extensively as T.A. with students during their project design development/execution. Custom lab additions-Safety Liaison and enforcement of safe handling protocol, instrumentation direction and usage.

EDUCATION

2015 Master of Fine Art- New Media- UIC [Candidate] **2010** Bachelor of Arts- Art and Art History - DePaul University

PUBLIC WORKS- TEACHING- LECTURES- COLLABORATION**2014**

October Glass blowing and Robotics – Ignite Glass Studios
August- Fall 2014 Introduction to New Media Arts Instructor at the University of Illinois-Chicago
BBC Consultation- Year of Code- Outreach
Imperial College of London- “To Be A Maker”
July- Fire Tech CampMake with Rapid Prototyping Course Launch in London, United Kingdom
July- August BioNico Bionic Hand project- Lab Fab, Rennes France-
May Fire Tech Camp- Rapid Prototyping- Intro to Making
April Mini Maker Faire North Side- UIC NMA
Google ATAP- Project Ara Developers Conference- Light Cruise

2013

December TEDxSanDiego by TEDx– Motorola- Project Presented- 2:25:00
November Neuroscience and Responsive Environments- Lecture- Ancona School
21st Century Open House- NMA Lab, UIC - Bot Build- Foals – Repetto
Survival Seminar- Hunger Games Series- Niles Public Library
July MakewithMOTO- Northwestern University
Make with MOTO- Pumping Station: One
MakewithMOTO- University of Illinois- Champaign Urbana
FAB LAB- Members Open House- Museum of Science and Industry
April National Robotics Week- Museum Science and Industry-Volunteer

2012

-Current FAB LAB – Museum of Science and Industry- Volunteer- Chicago
September World Maker Faire- NYC- Volunteer
Open Hardware Summit- Attendee
June - December “Fire Place” - with Jorma Rahja -Humpilla, Finland- Chicago
“Valojuuri” with Jorma Rahja
“Valopilvi” with Jorma Rahja
“Tarakka” with Jorma Rahja
September World Maker Faire NYC- Power Racing Series
July Food Not Bombs – Humboldt Park, Chicago IL

2011**2010****2007- 2009**

Lunar Burn Studios- Iron Pours
Living Structure- Geodesic Dome- Lunar Burn Man, Black Rock City, NV
Korinji Foundation- Zendo Project

GROUP EXHIBITION

2014 July- August
May
April

Fire Tech Camp- Rapid Prototyping- Intro to Making Exhibitions
Mini Maker Faire North Side- UIC NMA
Google ATAP- Project Ara Developers Conference- Light Cruise

2013 December

Ignite Glass Studios- Holiday 2013

October Maker Faire- Europe- Italy, Rome – Mission Control Lab “POW WOW”
August Bucktown Art Festival- Mission Control Lab
July Guerrilla Truck Show- Mission Control Lab
June Maker Faire- North Side- Mission Control Lab
May Axis International Art Festival- Mission Control Lab
April International Candy Convention- San Francisco- Tru-Sweets

2012 Ignite Coop Holiday Bazaar
2011 “Iron wood” and “Menagerie Series” Next Wave Art Salon- Elgin September 15th
2010 “Mint-Berry Sprinkle-Tart” DePaul University Thesis Show

SOLO EXHIBITION

2011- May 2012 “Inter-scape” at Laudi Vidni Commissioned Installation- 1007 W. Armitage Ave. Chicago
2011- Current “Eye Want Signage” Commission 1431 North Milwaukee Ave. Chicago IL
2011- October -January “Anima-Cloud” at City Soles Installation 2001 W. North Ave. Chicago IL 60647

PUBLICATIONS

2014 FireTechCampBlog <http://www.firetechcamp.com/blog/getting-real-with-making-and-rapid-prototyping/>
2014 Time Magazine <http://time.com/10115/google-project-ara-modular-smartphone>
2013 3D Printing EXPO- Mission Control Lab Fire Steel- 3D Printer Experience
2013 Make Magazine- Maker Faire Europe- Rome
2013 Carhartt- Spring Catalog- Front and Back inside to cover
2012 Crafted in Carhartt - Women at Work- 2012 June
2012 Pure Wow
2012 Racked
2010 September Issue 2010- Style Magazine- Japan- Kohei Hotta- Hair
2008 Undergraduate Research Conference- "Literature Review of Immunological Re-regulation through meditation indicated by bio-markers"

CONTACT FOR SPECIFIC REFERENCES:

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