

# Artist. Cyborg. Technologist.

**AT A GLANCE:** I am an academic, artist and creative technologist focused on building accessible community spaces through education, radical curriculum design and inclusivity. My research investigates wearable and body centric devices as a medium for re-defining how we view technology.



## COMMUNITY

Outreach and leadership, organization, community building, diversity and inclusivity focus, event planning, volunteer coordinating, LGBTQ outreach, social media management.



## TEACHING

Curriculum design, undergraduate teaching, youth outreach, technical workshops, design thinking, feminist pedagogy, accessibility, popular education, Inquiry and based teaching,



## TECHNOLOGY

Digital Fabrication: Laser cutting, 3D Printing, CNC, electronics, Arduino, welding, wood working, shop safty, soldering, wearable technology, soft circuits, Adobe CS Augmented/Virtual reality.



## PROGRAMMING

HTML5, CSS3, JavaScript, jQuery, React.js, Ember.js, Angular.js, PHP, C++, Unity, UDK, Processing, P5.js, Arduino, Wordpress, Open-Frameworks, Twine, Python, C#, Node.js, Ember.js, Bootstrap, Sass.js Cordova/phone gap, agile development.

## Teaching

I teach a variety of technical and theory based classes to both graduate and undergraduate students. My classes build theory and practice together, centring the existing experience and knowledge of learners in the discovery process. Collaborative, iterative, and explorative processes are used to engage students on topics from basic electronics, to wearable design concepts, critical theory, and programming.

### Physical Computing

OCAD University Digital Futures, 2016 - Present. Arduino and basic electronics for artists, both technical and creative implementation of electronics. DIGF 2002

### Emerging Media Practices: Cybernetics and body centric technologies

Ryerson University, New Media 2018 - Present  
Theoretical and hands-on exploration of cybernetics, the current, and future wearable technology industry and scene. RTA 968

### Wearable Electronics

Ryerson University School of Fashion 2018 - 19  
Wearable electronics integration from a fashion apparel perspective FSN 599

### Wearable Electronics Studio

OCAD University Digital Futures 2017 - Present  
Smart fabrics, DIY sensors, and smart materials exploration of industry and art for interdisciplinary students. DIGF 2016

### Wearable Computation

OCAD University Digital Futures 2019  
Integrating microcontrollers and e-textile materials with traditional craft-based electronics with interdisciplinary students. GDES 3015

### Computational Studio

Sheridan College, Interaction Design 2017  
Technical thesis class for undergraduate students, covering a variety of topics tailored to student projects.

### Interactive Objects 2

Sheridan College, Interaction Design 2017  
Physical computing and electronics, wireless networking and cross platform systems.

### Interactive Objects 1

Sheridan College, Interaction Design 2016  
Basic electronics and physical computing for interactive media students, Arduino, electronics theory.

### Digital Media Principles

Sheridan College, Interaction Design 2016  
Web programming for creative students using 3JS and basic JavaScript concepts, object oriented programming and procedural.

### Game Design Fundamentals

Sheridan College, Game Design 2015  
Introduction to game design concepts.

### IMC Programming basics

Sheridan College, Game Design 2015  
Programming for artists using Processing and basic object oriented code

## Community

**Community Manager, Hackaday / SupplyFrame**, 2018 - PRESENT.  
Community and social media management. HACKADAY.IO

**Code of Conduct officer BioSummit at MIT Media Lab** OCTOBER 2019

**Centre for Media Culture and Education (CMCE)** Advisory Board 2018

**Chair, Site 3 CoLaboratory**, 2013 - 2019. Organizing and leading projects at a not for profit arts & technology community space. SITE3.CA

**CoFounder- Adventure Box Collective**, 2017 - 2019. Arts and technology collective in Toronto, Ontario.

**Innovator In Communities**, TORONTO PUBLIC LIBRARY, 2014 - 2015. A teaching series throughout Toronto's community centres on Arduino, web development and coding.

**Satellite Events Team**, MAKER FESTIVAL TORONTO, 2016. Coordinating 100+ events around Maker Festival with over 12,000 attendees

**Artist In Residence Program Coordinator** SITE 3, 2015 - 16. Facilitating, recruiting and supporting artists in a 4 month residency at Site 3 colaboratory

**LGBTQ Shop nights Co-Founder, Site 3 coLaboratory** 2014 - 2019. Organization and leading of weekly LGBTQ inclusivity community events.

**Make Friends Monthly Co-Founder, Little Dada**, 2015 - 2018. Monthly meetups of makers and community leaders in Toronto, rotating venues. MAKEFRIENDSMONTHLY.COM

**Site Bee Popup Shop Co-Founder**, SUMMER 2014. Created and ran a two month long pop-up shop with local artists and makers.

**FemTechNet**  
Exploring distributed pedagogy and community building.

## Little Dada

**Co-Executive Director: Little Dada**, 2014-PRESENT

Little Dada is an organization of Creative Technologists for social change. Our goal is to interlace opposites and all contradictions, using art and technology to teach lateral thinking, creative practices and educate diverse learners. Little Dada runs events, classes, workshops and happenings. We provide weekly, monthly and yearly events to bring together Toronto's creative community.

Responsibilities include: Community outreach, planning, workshop and curriculum design, financial management. **LITTLEDADA.CA**

## Classes

**Director of Education**

STEAM LABS COMMUNITY MAKERSPACE, 2015 - 2017  
Curriculum design, studio-space development, tools and material acquisition, community engagement and teaching for adults and children. STEAMLABS.CA

**Education Officer**

SITE 3 COLABORATORY, 2012-2014  
Providing programming and educational outreach for technology based non profit.  
[www.Site3.ca](http://www.Site3.ca)

**Curriculum Designer**

ZERO TO STARTUP, 2015 - 2016

**Youth Class Facilitator**

TORONTO TOOL LIBRARY 2015  
[www.TorontoToolLibrary.com](http://www.TorontoToolLibrary.com)

**Research & Co-founder**, LITTLE DADA, /STUDIO [Y]. 2014 - 2015. [www.LittleDada.ca](http://www.LittleDada.ca)

**New Media Instructor**

DESIGN EXCHANGE, 2016-2017  
[www.dx.org](http://www.dx.org)

**Research / Educator**

INSTITUTE FOR RESEARCH IN DIGITAL LEARNING  
YORK UNIVERSITY,  
2016-PRESENT  
[www.irdl.info.yorku.ca](http://www.irdl.info.yorku.ca)

**Maker Bootcamp 2016**

STEAMLabs,

**Introduction to wearable technology o the body**

INTERACCESS - 2019  
[www.Interaccess.org](http://www.Interaccess.org)

**Electronics Masterclass**

Design Exchange

**3D Printing Masterclass**

Design Exchange

**Unity Programming**

Interaccess

**iSkills workshop U of T Body centric electronics and Squishy Futures at Inter Access**

**Augmented Reality**

**Programming**, Interaccess

**Ongoing classes**

Internet Of Things, Web programming, Wearable Technology, Unity programming, Augmented Reality, Arduino, Processing, Circuits, Design Thinking, Ember.js, Unity, HTML/CSS, Wearable Technology, Processing, JavaScript

## Education

**PhD student: Faculty of Information**  
UNIVERSITY OF TORONTO  
2018-present. Advisor Dr Sarah Sharma

**PhD student: Social Justice Education**  
OISE UNIVERSITY OF TORONTO,  
2017-2018

**Masters of Fine Art (MFA) in Digital Futures** OCAD UNIVERSITY, 2012 - 2014.

**BFA Computation Arts.**  
CONCORDIA UNIVERSITY, 2011

**DEC Visual Arts,**  
DAWSON COLLEGE. 2008

**Social Entrepreneurship**  
**Bootcamp - Growth**, CENTRE FOR  
SOCIAL INNOVATION, 2016

**Canadian Film Centre Medial Lab**, 2013

**Laser Safety Training ANSI Z136.1-2014**  
UNIVERSITY OF TORONTO, 2019

## Publications

**Who is buying and certifying the voting machines for the 2020 election?** - Lee Wilkins on *Supplyframe Hardware*, SEPT 5, 2019

**The future of implantable technology**  
- Lee Wilkins on *Supplyframe Hardware*, MARCH 27, 2019

**2019-07-22 Guest Editor**  
*The Prepared*. Lee Wilkins and Hillary Predko

**Clothes Minded** in *Make Magazine*, MAY, 2018

**Building the Feminist Cyborg Revolution.** *Misc Magazine*.  
L. Wilkins. JUNE, 2016

## Technology & Research

**KMDI/SEMAPHORE RESEARCH ASSISTANT,**  
2018-Present. Research assistant in the Makerspace, and ongoing technology projects with Dr Sara Grimes.

**RYERSON LIBRARY COLABORATORY TECHNICAL LEAD,** 2017 - 2018  
Designing lab and maintaining digital fabrication tools for faculty research lab.

**MAKE WORKS PROTOTYPING MANAGER,** 2017  
Produce functional prototypes for clients using digital fabrication methods.

**DIGITAL FABRICATOR & OWNER**  
ZAP! Laser cutting, 2014 - 15.  
Laser cutting and digital fabrication services and consultation.

**FULL STACK WEB DEVELOPER**  
Freelance - Ongoing  
Web development services and consultation

**CREATIVE TECHNOLOGIST CONSULTING** Freelance - ongoing  
Building installation and physical computing projects

**GRADUATE RESEARCHER** (various).  
Anthill Lab, Mobile Lab, Inclusive design research center.

**FRONT-END DEVELOPER (SPECIALIZATION)**  
CROWD TWIST / [crowdtwist.com](http://crowdtwist.com)

**FULL STACK DEVELOPER LEARNING MODULES PROJECT**  
YORK UNIVERSITY. 2016-PRESENT  
Institute for research on digital learning. [www.irdl.info.yorku.ca](http://www.irdl.info.yorku.ca)

## Conference Organization

**Talking Back Feminist Media Conference 2019**  
TORONTO, CANADA. Steering committee

**Creators Grant 2019** TORONTO, CANADA.  
Selection committee for Creators Grant at Ryerson University

**Digital naturalism Conference 2019** GAMBOA, PANAMA  
Conference Chair and conference organisational group.

**Make Change 2015-2018** LITTLE DADA / MAKER FESTIVAL TORONTO.  
Coordinated a conference and showcase with Maker Festival Toronto about critical engagement with Maker culture.

**Southern Ontario Maker Space Conference (SoOnCon) 2015**  
Organizing and developing the Southern Ontario Maker Space Conference.  
SOONCON.CA

**Different Games Toronto 2017.** Project manager and coordinator for Toronto branch of the Different Games conference.

## Select Collaborators, Projects & Events

Here are only some of the collaborators I've worked with to develop programming:

Make Fashion, Festival Of Curiosity, INTEL, The Maker Bean, Maker Festival Toronto, Design Exchange, Design Workshop Architects, Toronto Tool Library, Toronto Public Library, Site 3 Colaboratory, InterAccess, STEAMLabs, Ryerson University, Ryerson Library, KMDI/Semaphore, Institute for Research on Digital Learning (YorkU), Social Body Lab (OCAD U), MakeWorks, Dames Making Games, Hand Eye Society.

### THE L4 SOCIETY ZINE

*Seeding Utopias* (Artists in Libraries, Toronto Arts Council)

### LONG EXPOSURE FESTIVAL,

**Organizer & Artist.** Funded by Toronto Arts Council 2018-19  
[LongExposureFestival.com](http://LongExposureFestival.com)

**SKYLAB REVOLUTION** Animating Historical Sites funded by Toronto Arts Council / Hand Eye Society, 2019

**INTEL INNOVATOR** Intel's Innovator program, 2016-Present.

### STUPID SHIT NO ONE NEEDS & TERRIBLE IDEAS HACKATHON

[Stupidhackathontoronto.com](http://Stupidhackathontoronto.com)  
2016-18

### MAKER BUDDIES: EDUCATION

Curriculum consultation with *Toronto Catholic District School Board*. 2017

### A LAB OF ONE'S OWN

International Women's Day event, Little Dada, 2016-17

### PHOTON GALARY Site 3

Colaboratory Scotiabank Nuit Blanch Exhibit 2015-2018

### FESTIVAL OF CURIOSITY

Technical lead on Wearable Technology runway show. 2016-18

### HOW BRIGHT IS OUR FUTURE

With Design Workshop Architects, Exhibited at IDS2018, Technical lead, 2018

### RE:FAMILIAR & ANDROID

**APPARATUS** (Collaboration with Hillary Predko) 2017-present

### MAKE FRIENDS MEETUP,

**Organizer.** Ongoing workshops on technology, 2015-16.  
[MakeFriendsMeetup.com](http://MakeFriendsMeetup.com)

### REY DOLL HACKATHON '16

**ANEMOIA NIGH PARAD** (Collaboration with Len Predko) 2015

### PUNK PRISM POWER 2016

[punkprismpower.com](http://punkprismpower.com)

### SITE 3 RIDICULOUS

**AUCTION** 2014 & 2018

### PEDAL POWERD PARTS

**WASHER** (Collaboration with Charles Freewheels) 2014

### TOASTRAITS 2015

### CYBORG GARDEN 2014

### SUBLIME APARATUS

(Collaboration with Dushan Milic) 2015

## Awards & Residences

### Animating Torontos Parks, 2019

Toronto Art's Council Grant

### Animating Torontos Parks, 2018

Toronto Art's Council Grant

### Artist In Residence

SOCIAL BODY LAB, 2017

### Dames Making Games 2016

**GDC Scholarship** Recipient

### Innovator In Residence

Toronto Public Library

### Younger Than Beyonce Artist

**Residency** Resident

### OCADu Graduate Scholarship

Recipient 2012 & 2013

### Toronto Hardware

**Hackathon 2013** Mentor

## Advising

### SELECTION COMMITTEE

Textile Museum of Canada, Residency for Artists, educators and curators, Fall 2019

### Fashion Communications, Ryerson

**School of Fashion undergraduate Program** Invited capstone judge 2019

### Digital Futures, OCADU Graduate

**Program.** Invited awards panelist 2019

## Selected Talks

**Moderator: Extensions, prosthetics and symbiosis 2019 - moderator**, Inter/Access

**Seeding Utopias 2019**, Space Labour and Skylab Revolution

**Making Art With Machines 2019**, Cyborg Futures

**DMG Speaker Social 2018**, Into the void

**HackChat 2018**, Being a Cyborg

**MAKE Magazine June 2018 issue**, Clothes Minded

**Toronto Comic Arts Festival, 2017**, The Science of Superheros

**HelloCon 2017**, Invited Keynote Speaker

**Hand Eye Society Ball 2016 Annual** General Mischief

**Critical Maker Education** Speaker 2016 ITP NYU

**MISC Magazine**, Article: Building the Feminist Cyborg Revolution

**DigiFest 2016** FUTURE5 Speaker

**Reconstructing Resilience 2016** Speaker, OCADu

**Different Games Conference 2016**, Speaker

**FemTechNet 2016** Speaker, Ann Arbor Michigan

**Toronto Design Offsite Festival Speaker 2016** MaRS Discovery District

**Indigiecade, DMG 2015** Speaker 2015, Bento Miso

**Atomic Lollipop 2014**, Speaker, Ontario Science Centre

**TEDx 2013 Speaker** TEDx OCADu.

**Dames Making Games 2013**, Speaker

## Interviews

**Tapestry CBC** On being a Cyborg (April 2018)

**Hackaday HackChat** (01/21/18) Being a Cyborg

**What She Said SiriusXM** (03.08.16) Women, Diversity & Tech

**Metro Morning CBC** Star Wars "Rey Day" Hackathon (02.15.16)

**The Current CBC** Panelist "The Right to Tinker" (08.19.2015)

**A Users Guide to Cheating Death** (Season 2, episode 5)

## Selected Exhibits

**Digital Futures Open Show 2019**, void

**Animating Historical Sites 2019**, Skylab Revolution

**Winter Lights Ontario Place 2018**, Earth Resist

**ETHDenver 2018**, Exhibitor

**Etherial NYC 2018**, Exhibitor

**Bit Bazaar 2018**, Voids & Artisanal Plugins

**UrbaniT 2018**, Android Apparatus

**AndroidTO 2018**, Android Apparatus

**Hand Eye Society Ball 2018**, The Organ

**Missisagua Winter Festival 2018**, Light Organ

**Ontario Centre for Excellence, 2017**, Exhibitor

**InStore 2017**, RE: Familiar

**EDIT Festival 2017**, LOL memory

**Make Fashion 2017**, RE: Familiar

**Cirque-it 2017**, Cyborg Armor

**Grow Op 2017**, Gladstone Hotel

**Come Up To My Room 2017** Gladstone Hotel (Tech/SupportFunded)

**Nuit Blanche 2016**, Orbs

**Space Jam YTB Gallery**, Jan.2016, Exhibitor

**Indiecade 2015**, Exhibitor

**The Anthropologists Market, 2015**

**Maker Festival Toronto 2015**, Hustle Bustle

**GradEx 2014**, OCADU Exhibitor

**Light 2014**, OCADU Exhibitor

**IGDA Eat Play Mingle** Exhibitor

**Level Up 2013** Exhibitor

**Social Engineer**, OCADU Graduate Gallery 2013

**Possibility Spaces 2011** Exhibitor