

# Dan Wilcox

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## Work History

**2015-present Visiting Teaching Assistant Professor**  
[Emergent Digital Practices](#), University of Denver; Denver, CO USA

**2014-2015 Freelance Artist & Engineer**  
Pittsburgh, PA USA

**2010-2013 Researcher & Technical Assistant**  
[Studio for Creative Inquiry](#), Carnegie Mellon University; Pittsburgh, PA USA

**2008-2010 Creative Engineer**  
[Ars Electronica Futurelab](#); Linz, Austria

**2007 Electronics Assembly Technician**  
[TouchTable AB](#); Gothenburg, Sweden

**2003-2006 (Summers) High Adventure Director**  
Boy Scouts of America, [Camp Sequoyah](#); Delta, AL USA

## Education

**2010-2013 Master of Fine Arts**  
Thesis: "I'm Not An Astronaut But I Play One On TV"  
[School of Art](#), Carnegie Mellon University; Pittsburgh, PA USA

**2007 MS Art & Technology**  
Thesis: "[robotcowboy: A One-Man Band Musical Cyborg](#)"  
Chalmers University of Technology; Gothenburg, Sweden

**2005 BS Computer Engineering**  
Iowa State University; Ames, IA USA

## Selected Work, Exhibitions, & Performances

### 2016

[\*Trust Me\*](#) (w/ [Anika Hirt](#)), [Roböexotica](#) Festival for Cocktail Robotics; Vienna Austria  
[robotcowboy: Cabled Madness](#), [Pure Data Convention](#); New York, NY USA  
[robotcowboy: Cabled Madness](#), AutumnLEAF Performance Festival; Lafayette, CO USA  
*My Wiggly World* (solo show & performance), 701 (gallery & art space); Denver, CO USA

### 2015

*SPACE ART: An Evening in the Stars*, Neu Kirche Contemporary Art Center; Pittsburgh, PA USA  
[robotcowboy: Onward to Mars](#), Mars New Year; Mars, PA USA

### 2014

[robotcowboy: Onward to Mars](#), New Hazlett Theater; Pittsburgh, PA USA

### 2013

[robotcowboy: Cabled Madness](#), OnSite Digital Performance Festival; Taipei, Taiwan  
[Return of the Spirit of Molten Iron](#), [AlloyPGH](#); Pittsburgh/Rankin, PA USA  
[Heading to Mars](#), MFA Thesis Exhibition, CMU Miller Gallery; Pittsburgh, PA USA

### 2012

[Cyborg Cabaret](#) (w/ roboticist [Heather Knight](#)), New Hazlett Theater; Pittsburgh, PA USA  
[Robot Rumble](#), Extra Fancy CMU MFA Exhibition; Pittsburgh, PA USA

### 2011

[Venice Mouth](#); Pittsburgh, PA USA  
[robotcowboy: Cabled Madness](#), [Pure Data Convention](#); Weimar, Germany  
[Balloon Project](#), Fresh Baked Goods CMU MFA Exhibition; Pittsburgh, PA USA  
[High Speed Photo Booth](#), technical implementation, Wats:On Festival; Pittsburgh, PA  
[robotcowboy: Cabled Madness](#), [VIA](#) Presents; Pittsburgh, PA USA

### 2010

[Kinect Titty Tracker](#); Pittsburgh, PA USA  
[robotcowboy: Cabled Madness](#), [Tactics & Practices Festival](#); Ljubljana, Slovenia  
[robotcowboy: Cabled Madness](#), [Mapping Festival](#); Geneva, Switzerland

### 2009

[robotcowboy: Cabled Madness on the AEC Media Facade](#), [Ars Electronica Festival](#); Linz, Austria  
[robotcowboy: Cabled Madness on tour](#), [SubOptimal Summer 09 Tour](#), Europe  
[robotcowboy: Cabled Madness](#), [New Media Meeting](#); Norrköping, Sweden  
[robotcowboy: Cabled Madness](#), [Altavox Electronic Music Festival](#); Venice, Italy  
[robotcowboy: Cabled Madness](#), [STRP Festival](#); Eindhoven, Netherlands

## 2008

[robotcowboy: Cabled Madness](#), STEIM Micro Music Jamboree 2; Amsterdam, Netherlands  
[Open Frameworks Lab](#), Ars Electronica Festival; Linz, Austria  
*soundMetal*, Interactivos? Double Take Exhibition, Eyebeam; New York, NY USA  
[robotcowboy: Cabled Madness](#), [Signal+Noise Festival](#); Vancouver, Canada  
[robotcowboy: Cabled Madness on tour](#); [Consoles Afire Tour](#); USA

## 2007

[robotcowboy: Cabled Madness](#), [Pure Data Conference](#); Montreal, Canada  
[robotcowboy: Cabled Madness](#), [Norberg Electronic Music Festival](#); Norberg, Sweden  
[robotcowboy: Cabled Madness](#), [Digital Art Weeks](#); Zurich, Switzerland

## 2005-2006

[Praya Dubia](#) & *Photo Acoustic Plantae*, Future Exhibition, IT Ceum; Linköping, Sweden  
[Recharge](#), Art & Tech Spring Exhibition, 141an; Göteborg, Sweden  
[Rhythm of the Night & Golden](#), Public Performance; Gothenburg, Sweden

## Selected Presentations

**2016** PdParty, libpd, & Mobile Music Apps; Pure Data Conference; New York, NY USA  
**2015** PechaKucha Night Pittsburgh Vol. 21; AIA & AIGA w/ GPAC; Pittsburgh, PA USA  
**2015** [SIX x ATE](#) (artist dinner/lecture series); Pittsburgh, PA USA  
**2014** i5 Video Awards (guest speaker); Carnegie Science Center; Pittsburgh, PA USA  
**2014** [AV Synthesis Workshop](#); Dartmouth College; Hanover, NH USA  
**2014** [Heading to Mars](#) & [Onward to Mars](#); [17th Mars Society Convention](#); Houston, TX USA  
**2011** [Art && Code 3D](#); Carnegie Mellon University; Pittsburgh, PA USA  
**2009** [robotcowboy: Cabled Madness](#), [New Media Meeting](#); Norrköping, Sweden  
**2009** [robotcowboy: Cabled Madness](#), [Liwoli Linux FLOSS Hacklab](#); Linz, Austria  
**2007** *robotcowboy thesis presentation*, Art & Tech Final Exhibition; Gothenburg, Sweden

## Residencies

**2016** [Q21 AiR Program](#) w/ Anika Hirt, MuseumsQuartier Wien; Vienna, Austria  
**2013** [AlloyPGH](#) @ the Carrie Furnace NHP; Pittsburgh/Rankin, PA USA  
**2013** Studio for Creative Inquiry, Carnegie Mellon University; Pittsburgh, PA USA  
**2012** Member of Crew 119, [Mars Desert Research Station](#); Hanksville, UT USA  
**2012** *robotcowboy 2.0*, [ArtHackDay](#), 319 Scholes; Brooklyn, NY USA  
**2010** *soundMetal*, Interactivos? @ Eyebeam; New York, NY USA  
**2010** Studio for Electro-Instrumental Music (STEIM); Amsterdam, Netherlands  
**2007** Studio for Electro-Instrumental Music (STEIM); Amsterdam, Netherlands

## **Awards/Grants**

**2014** *SPACE ART: An Evening in the Stars*: PA Council on the Arts Project Stream grant

**2013** *robotcowboy: Onward to Mars*: selected for the [New Hazlett CSA performance series](#)

**2013** *robotcowboy: Onward to Mars*: [Frank-Ratchye Fund for Art @ the Frontier \(FRFAF\) grant](#)

**2012** CMU School of Art & College of Fine Art fund to attend the [Mars Desert Research Station](#)

**2011** *Cyborg Cabaret*: CMU School of Art Interdisciplinary Award

## **Academic Positions**

**2015-present Visiting Teaching Assistant Professor**

Emergent Digital Practices, University of Denver; Denver, CO USA

**2010-2013 Graduate Teaching Assistant**

School of Art, Carnegie Mellon University; Pittsburgh, PA USA

**2007 Interactive Installations, Graphics Programming Using Processing**

C:Art:Media, Valand School of Fine Arts; Gothenburg, Sweden

**2006 Electronics Lab Teaching Assistant**

Chalmers University of Technology; Gothenburg, Sweden

## **Selected Workshops**

**2013 Bang Your Head: Making Noise with Pure Data**

Part of the [Wats:ON 2013: NOISE festival](#); CMU, Pittsburgh, PA USA

**2007 Let's Etch PCBs!**

For C:Art:Media students, Brumm Studios; Gothenburg, Sweden

## Selected Publications

Full list available online: <http://danomatika.com/publications>

**2016 Paper:** [PdParty: An iOS Computer Music Platform using libpd](#)

**2016 Paper:** [libpd: Past, Present, and Future of Embedding Pure Data](#)

5th Pure Data Convention; NYU Waverly Labs; New York, NY USA

**2014 Papers & Presentations:** [Heading to Mars](#) & [robotcowboy: Onward to Mars](#)

17th Annual Mars Society Convention proceedings; Houston, TX USA

**2013 Book:** [Heading to Mars](#) (ISBN 2810000150197)

Mars Desert Research Station Field Journal, self-published both digitally and in print

**2007 Poster:** [Experiments in Energy: 3 Technological Acts](#)

Digital Art Weeks, ETH; Zurich, Switzerland

**2007 Paper:** [robotcowboy](#)

Mobile Music Workshop, STEIM; Amsterdam, Netherlands

## Peer Review Participation

**2016** Pure Data Conference, NYU Waverly Labs; New York, NY USA

**2011** Pure Data Conference, Bauhaus University; Weimar, Germany

**2008** Mobile Music Workshop, STEIM; Amsterdam, Netherlands

## **Skills**

C/C++, Obj-C/Cocoa/iOS, OpenGL, OpenFrameworks, Pure Data, Arduino, Processing, Ruby, BASH, Assembly, Java, PHP, Python, VHDL, Latex, Unix/Linux

Graphics programming and large scale distributed multi-screen graphics applications

PCB, Embedded, and Computer Hardware Design and Implementation

Audio Recording and Live Engineering

Live performance and the performing arts with various bands and music projects

Ability to develop, learn, and apply new concepts quickly

Eagle Scout

German language, level B1

## **References**

**Christopher Coleman, Associate Professor**

Director of the [Emergent Digital Practices Program](#)

University of Denver; Denver, CO USA

[christopher.coleman@du.edu](mailto:christopher.coleman@du.edu)

**Stephen Streibig, Director (freelance client)**

[Iontank Ltd](#); Pittsburgh, PA USA

[ss@iontank.com](mailto:ss@iontank.com)

**[Golan Levin](#), Assistant Professor of Art (MFA advisor)**

Director of the [CMU Studio for Creative Inquiry](#)

School of Art, Carnegie Mellon University; Pittsburgh, PA USA

[golan@andrew.cmu.edu](mailto:golan@andrew.cmu.edu)