

What do you feel are the major concerns facing the citizen science community?

In my opinion, the biggest challenge to the citizen science community is a lack of best practices. When a researcher is exploring embarking on a citizen science project, where can he or she go to better understand what is involved? Where can he see example budgets and approaches from the existing community? I am aware of the Federal Citizen Science Toolkit as Eyewire contributed a case study; however, a basic (and short) description of what's involved - from team members to social presence to implementation - based on type of cit sci project would be immensely and immediately valuable to our broader community. It would also provide tremendous utility to current operators, potentially inspiring new approaches to cit sci management and engagement.

What skills and what types of experience would you bring to the CSA board?

I build the Eyewire community from pre-launch to over 200,000 people. I've advised The White House OSTP and briefed a US Senate committee on crowdsourcing and open science. I currently advise the TED Prize on crowdsourcing and have openly shared my expertise at numerous events and in digital form on the Eyewire blog. I know how to manage an interdisciplinary team and inspire communities to take part in a great cause.

Amy Robinson

Curriculum Vitae

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Place of Birth: USA

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Social: amyrobinson.me
@amyleerobinson

EDUCATION

2004 - 2008 Auburn University, Wireless Engineering

PRESENT EMPLOYMENT

2014- Executive Director, EyeWire

PREVIOUS EMPLOYMENT

2012-2014 Creative Director, EyeWire | Seung Lab
Massachusetts Institute of Technology (MIT)
Department of Brain and Cognitive Sciences

Launch and strategic development of EyeWire, a game to map the brain.
including partnerships, gamification, UX redesign, press, general management.
Lead interdisciplinary team of developers, animators, designer and community

managers.

2010 -2012 Creative Director, HealthSterling

2012-present Partner, HealthSterling

Infographics for patient literacy including collaboration between academic institutions including RISD, Reed and private sector including MSNBC.

Population health featuring crowd-sourcing architecture and gamified with iPhone app in partnership with DailyFeats. Currently being piloted in Huntsville, AL, metro population ~300,000 people. Scaling internationally November 2012 including Belo Horizonte, Brazil, population 2.3 million.

Think tank style activities

Editor of healthsterling.com and all social media accounts including population health programs.

2011- Partner, BookYourDive.com

Platform based in Amsterdam allowing divers to review, compare and book scuba dives.

PREVIOUS EMPLOYMENT

2009-10 International Programs Director, CEDARS | The Center for Economic Development and Resource Stewardship

501(c)(3) not-for-profit

Community-driven, youth-collected water quality survey in 120 communities in the Niger Delta in conjunction with NIDPRODEV and GWW.

Local efforts included sustainable development education initiatives around the southeastern US in conjunction with TVA; land use services and mitigation banking.

2008-09 Associate, Robinsong Ecological Resources

Offset environmental impact of new land development by restoring aquatic ecosystems and quantifying ecological lift.

Co-structured \$500,000 Series A investment from EcoProducts Fund, a \$100M VC.

Organize projects such as Flint River Bank, a 653 acre mitigation site generating 166 acres of mitigation, 13,000 LF stream credits with \$5.5M revenue.

Coordinate R&D activities, including bioremediation test system on a 23,000 gallon constructed wetland.

AWARDS AND RECOGNITION

2016	Fast Company Innovator: Virtual Reality
2015	Forbes 30 Under 30
2014	Neurons in Virtual Reality at the TED Conference, voted Audience Favorite
2014	Times Square NYC Midnight Moment Feature
2014	Amy Robinson featured as NBC's Nerd Alert Neuroscience Figure to Watch
2014	FASEB BioArt Winner
2014	Invited Exhibitor: US Science and Engineering Expo
2013	Koch Gallery Winner
2013	First Prize, Vizzie (National Science Foundation's International Visualization Challenge, Games and Apps category)
2013	PLoS Top 10 Citizen Science Projects of 2013
2013	Discover Magazine Top 100 Science Stories of 2013
2013	Catalyzer Prize, World Life Sciences Forum

PUBLICATIONS

Space–time wiring specificity supports direction selectivity in the retina. Nature, May 2014

CLASSES

Game Design for Citizen Science, NYU (Instructor)
Neurotechnology in Action, MIT (MITx Producer)

SPEAKING ENGAGEMENTS

2016	AAAS Washington, DC
2015	World Economic Forum Shape MENA Event Dubai, UAE
2015	US Senate Briefing on Crowdsourcing Washington, DC
2015	Digiworld Summit Montpellier, France
2015	TEDxThessaloniki Thessaloniki, Greece
2015	NeurotechX Boston, USA
2015	Sonar+D Barcelona, Spain

- 2015 Deep Learning Summit | Boston, USA
- 2015 Department of Education Games in Learning Summit | New York City
- 2015 Art of Neuroscience | Amsterdam
- 2015 AAAS / Citizen Science Association Conference | San Jose, CA
Keynote
- 2015 Game Developers Conference (GDC) | San Francisco
XBOX Women in Gaming
- 2015 NIH Science in 3D | Bethesda, MD
For Science!
- 2014 NYU Game Lab | Brooklyn, NY
Crowdsourcing science through games
- 2014 Games for Health EU | Utrecht, Netherlands
Keynote
- 2014 TEDxPuraVidaJoven | San Jose, Costa Rica
TEDTalk: A journey through the brain
- 2014 IBM CentroAmerica | San Jose, Costa Rica
- 2014 US Embassy for Costa Rica
The future in neuroscience
- 2014 Neurotech | MIT
Guest Lecturer
- 2014 Architecting Neuroscience | RISD
Guest Lecturer
- 2014 Campus Party | Guadalajara, Mexico
Speaker
- 2014 Logan Fellowship Weekend | Woods Hole, MA
Guest Speaker
- 2014 Startup MENA Hackathon | Cairo, Egypt
- 2014 Biovision World Life Sciences Forum | Alexandria, Egypt
Keynote
- 2014 TEDxHGSE | Harvard University
TEDTalk about TEDx Music Project

- 2014 TED
30 second audience talk about futuretech
- 2014 Science Online | Raleigh, NC
Workshop on Citizen Science
- 2014 HIMSS | Orlando, FL
- 2014 Citizen Science Summit | London, UK
- 2014 Wonderspace | Carmel, CA
- 2014 TEDxAdventure | Kalu Yala, Panama
TEDTalk: EyeWire
- 2013 TEDxBeaconStreet | Boston, MA
TEDTalk about TEDx Music Project
- 2013 Science Communication | MIT Media Lab
Guest Lecturer for Columbia School of Journalism Students
- 2013 TEDxAmsterdam
TEDTalk
- 2013 Games for Health EU | Amsterdam
Keynote
- 2013 eSTAS | Malaga, Spain
On-stage interview
- 2013 World Science Festival | NYC
Panel Discussion and On-stage interview
- 2013 TEDxNijmegen | Nijmegen, The Netherlands
TEDTalk
- 2013 World Life Sciences Forum | Lyon, France
Keynote: A Game to Map the Brain
- 2012 MIT Global Ideas Challenge
- 2012 TEDxSummit | Doha, Qatar
Session Guest Host; Lead workshop+hackathon on TEDx Global Music Project
- 2011 NASA Summer Intern Program | Huntsville, AL
TEDx and Ideas worth spreading

2011 The Nantucket Project | Nantucket, MA
Ideas worth spreading

2011 TEDActive | Palm Springs, CA
Live with Passion

EDITORIAL

Contributing Author: Forbes, Scientific American, Vice

Editor, Citizen Science Today

Author and Producer, MIT Neurotech series, Scientific American

Advisory Board, Journal of Human Computation

Editor, HealthSterling.com

Curator EyeWire Blog

Contributor, TEDx Blog

Authored in Nature Blog, Huffington Post, BBC, and Scientific American

CONFERENCES ATTENDED

2014 TED | Vancouver, BC
Visualized | NYC
Games for Health EU | Utrecht
Startup MENA | Cairo, Egypt
Campus | Guadalajara, Mexico
TEDxPuraVidaJoven | San Jose, Costa Rica
World Life Sciences Forum | Alexandria, Egypt
US Science and Engineering Expo | Washington DC
Neurotechnology Summit | MIT
Science Online | Raleigh, NC
HIMSS | Orlando, FL
TEDxHGSE | Harvard University
Wonderspace | Carmel, CA
TEDxUNPlaza
TEDxBoston
TEDxAdventure | Kalu Yala, Panama
Citizen Science Summit | London, UK
Think Tank: Gaming for Citizen Science | The White House, Washington DC
Education Game Jam | The White House, Washington DC

- 2013 Games for Health EU | Amsterdam
eSTAS | Malaga, Spain
TEDxNijmegen
TEDMED | DC
TEDActive | Palm Springs
TEDxMidAtlantic | Washington, DC
TEDxWaterloo | Waterloo, Canada
TEDxAmsterdam
World Life Sciences Forum | Lyon
Thiel Foundation 20 Under 20 | NYC
- 2012 AAAS | Boston, MA
Quantified Self | Stanford
International Conference on Neuroaesthetics | Berkeley, CA
TEDxSummit | Doha, Qatar
TEDMED | Washington, DC
TEDActive | Palm Springs, CA
- 2011 The Nantucket Project | Nantucket, MA
Business Innovation Factory | Providence, RI
GE Gamechangers Summit | New York, NY
TEDActive | Palm Springs, CA
- 2010 TEDGlobal | Oxford, UK
- 2008 Global Katoomba Conference: Developing an Infrastructure Fund for the Planet | DC
National Mitigation Banking Conference | Jacksonville, FL

PRO BONO

- 2013 TEDxUNPlaza Organization Team
- 2012- **Founder, TEDxMIT**
- 2010- **Founder, Curator, TEDx Music Project**

Collecting, digitally remastering, categorizing and sharing the best live music performances from TEDx events.

Launched on Soundcloud June 20, 2012. Currently 28 tracks with over 11,000 followers.

Complete library at tedxmusic.com
- 2009- 2012 **Curator, TEDxHuntsville**

Independently organized TED event now in its third year. Holds annual 550-person conference, 350-person TEDxYouth event and quarterly TEDTalk Salons.

2012- Chairman and Founder, Kinertia

501(c)(3) not-for-profit organization devoted to accelerating active ideas.

Projects include: TEDx Global Music Project and TEDxHuntsville, outlined above; HealthyCiti.es, population health program; ProjectHAO, sending hammocks and champagne to planetariums

2011- Founder, DesignWorthSpreading

TEDx Collaboration showcasing exceptional designs from TEDx events.

2011- Founder, Art Project X

TEDx Youth collaboration that shows how ideas worth spreading can happen anywhere. Participants include youth and adults from 9 countries.

2011 TEDx Thanks TED

Organized surprise thank you video for TED from 195 global TEDx organizers

WORK FEATURED BY

CBS
Discover Magazine
Fast Company
Forbes
FOX
The Guardian
Huffington Post
Nature
NBC
NPR
Popular Science
The New York Times
Science
Scientific American
The Scientist
TED Blog
TEDx Blog
USA Today
Vsauce
WIRED