

PhD and both Fulbright and National Science Foundation (NSF) grantee with twenty years of diverse experience in media design, creative technology, startups, and community engagement. A leader in interdisciplinary innovation in the university system and with public and private institutions. Emphasis on collaborating across art, design, engineering, and business, including conceptualization, lean launch, design thinking, prototyping, industry/research partnerships, and strategic doing.

Collaborative and Interdisciplinary Leader

- Co-Founder of the UWM Student Startup Challenge. Responsible for identifying, funding, and partnering with students with product ideas. At the request of campus leadership, helped to secure more than \$300K in funding in first year of program, which grew into my being one of three core decision-makers at the Lubar Center for Entrepreneurship - including a \$25M building and trust. More than fifty companies have been formed.
- Integral to pioneering the Interdisciplinary Arts and Technology program across four departments in Peck School of the Arts, at the University of Wisconsin - Milwaukee (UWM). Developed core faculty and courses ideal for needed technical skills and collaboration, developed new courses and labs, secured budgets and made equipment purchases, and launched the publicly celebrated "Arts and Technology Night" to showcase student projects at the end of every semester. More than 250 projects developed to date and hundreds of attendees at each signature Peck School event.
- In close partnership with UWM Chancellor and Dean of Engineering, developed product design curriculum, to bring together teams of artists, designers, engineers, and architects so as to conceptualize and prototype new product ideas for local businesses, seeing 125+ successful projects to fruition.
- Work directly with both startups and long-standing businesses on long- and short-term investments across the arts and sciences, for-profit and non-profit, in both the private and public sector. Initiate, organize and attend dozens of meetings with companies and arts organizations in an ongoing basis.
- Continuously act as liaison from Peck School of the Arts to other institutions, creating and taking part in 50+ collaborations with, or placing students and peers at, museums, research centers, businesses, and schools, including all major museums in Milwaukee and surrounding areas, engineering firms, and research institutes.
- Forge, model, and create programs and coursework that require students to work together on new ideas and ventures. 16 classes and six programs or curricula developed in last decade.

Innovation Expert and Consultant

- Expert in new and alternative uses of technology, including computer vision, physical computing, experimental imaging, web development, and open source hacking towards creative ends.
- Consultant and designer with teams across new projects at AKQA, Rexnord, TAPCO, Johnson Controls, GE Medical, Aurora Health Care, the Medical College of Wisconsin, DRS Power and Control, EMTEQ, Sharp Packaging Systems, the Wisconsin Department of Traffic, Rockwell, and more.
- Awarded competitive Fulbright specialist grant to offer writing seminars for postgraduates in art and design at the University of Johannesburg in South Africa.
- Work across performances and exhibitions worldwide, academic and mainstream writing, and other activities including empowerment workshops for HIV-positive township teens in South Africa, graduate student supervision in engineering or design, and one-on-one mentoring for local artists through the Milwaukee Artist Resource Network.
- Experience writing and securing private and public grants and funding at the regional, national, and international level. Involved in over \$26M of funding and support over last 15 years.

International Public Speaker, Author, Artist, and Subject-matter Expert

- Critically acclaimed monograph on understanding digital media and reclaiming materiality in the digital age.
- Independently secured 250+ books, catalogs, and press articles, including high profile, international reviews in the *Wall Street Journal*, *M Magazine*, *Guardian UK*, *Huffington Post*, *Daily Mail*, *Boing Boing*, *Gizmodo*, *Petapixel*, *Washington Post*, *Daily News*, *Art Journal*, BBC's *Today* show, *WIRED*, *Popular Mechanics*, *Time*, *Forbes*, *Fast Company*, *Scientific American*, *Milwaukee Journal Sentinel*, *Leonardo* journal, *Rhizome*, and more, through successful media campaigns, interviews, and public events.
- Internationally acclaimed artist and designer for work across print, web, installation, performance, and public art. Collected by 15+ public and private institutions with 175+ international exhibitions and performances.
- Published author across mainstream newspapers and blogs, specialist journals, and academic writing, including MIT Press, Routledge, Open Humanities Press, Blackwell, Taylor & Francis, Palgrave Macmillan, Cambridge Scholars, Rodopi, Glyphi Limited, the University of Amsterdam, *Milwaukee Journal Sentinel*, *Rhizome.org*, and others.
- Public speaker on art, design, and innovation; 30+ refereed academic papers and 75+ invited talks, including TEDx.
- Maintain and continually develop worldwide, high impact relationships over years of living and working across the globe, for long stretches in Europe, North America, and Africa, and briefer periods in Asia and South America.

Professional Experience

- **University of Wisconsin - Milwaukee**, *Associate Professor of Art and Design, Global Studies, and Engineering*. Digital Studio Area Head and Student Startup Challenge Co-Founder, 2008 - present
- **University of Johannesburg: Research Centre, Faculty of Art, Design and Architecture**, *Associate Researcher*, 2013 - present
- **Trinity College Dublin: Electronic Engineering and Computer Science**, *Doctoral Fellow and Lecturer*, 2006 - 2009
- **Minneapolis College of Art & Design: Distance Learning**, *Lecturer (1/2 time post)*, 2003 - 2006
- **University of the Witwatersrand: Digital Arts MAFA**, *Lecturer (1/4 time post)*, 2002 - 2006
- **Cornell University: Human Computer Interaction Group**, *Researcher, Web and Software Developer*, 2002
- **Scient Corporation (now part of Publicis Groupe)**, *Web Designer and User Interface Engineer*, 2000
- **New York University: Tisch School of the Arts**, *Assistant to the Director of Recruitment*, 1999 - 2001

Select Honors, Awards, Grants, and Support

Startups

- \$10M donation, \$15M in matching funds, with Ilya Avdeev, Brian Thompson, Mark Mone, Entrepreneurial Program
- \$50,000 National Science Foundation I-Corps L grant for Educational Technology Start-up, Entrepreneurial Lead
- Smart Sole, National Science Foundation I-Corps startup mentor for fitness company
- \$275,000 University of Wisconsin System grant, with Ilya Avdeev (PI) and Brian Thompson, Entrepreneurial Program
- \$50,000+ School of Information Studies grant, with M. Hostad, I. Avdeev, B. Thompson, Entrepreneur Program
- \$50,000, Provost award for ongoing Entrepreneurial Program, University of Wisconsin-Milwaukee, 2014
- \$11,000, Technology Development Fund grant, University of Wisconsin-Milwaukee, 2013
- \$35,000 National Collegiate Inventors and Innovators Alliance grant, with Ilya Avdeev (PI) + Brian Thompson, 2013
- \$50,000 College of Engineering Award, with Ilya Avdeev and Brian Thompson, Entrepreneurial Pilot Program, 2012

Art- and Writing-based Research

- \$50,000+ Research Fellow Awards, Office of Undergraduate Research, UW-Milwaukee, 2009 - 2014
- \$15,000, Northwestern Mutual Art Commission
- \$15,000, Research Committee Award, University of Wisconsin-Milwaukee, 2013
- \$61,000 Research Growth Initiative grant, UWM, 2012
- \$10,000 National Geographic sponsorship for Tweets in Space transmission, 2012
- \$5500 USA projects fundraising with Jessica Meuninck-Ganger, 2012
- \$5000 RocketHub fundraising with Scott Kildall, 2012
- Transmediale Award, nominated finalist, Berlin, Germany, 2011
- Top ranking in Leonardo Abstracts (MIT Press), peer reviewed database of interdisciplinary theses, 2010
- Mary L Nohl Suitcase Fund award for Given Time, 2010
- \$10,000 Research Committee Award, UWM, 2009
- Faculty Development Award for Given Time, UWM, 2009
- Exhibition funding from SA National Lottery, Royal Netherlands Embassy, Kellogg Foundation, Ford Foundation, 2006
- turbulence.org / Greenwall Foundation commission, getawayexperiment.net, with Marcus Neustetter, 2005
- American Consulate grant, equipment and educational budget for 'the storytellers,' Johannesburg Art Gallery, 2004
- BASA (Business & Arts, South Africa) matching grant for phenomenomadic, collaborative performance, 2002
- Cornell Council for the Arts grant for 12 Artists show at the Johnson Museum, 2000

Educational Research

- Pathways to Innovation, NSF-funded, 3-year grant, core team member with Stanford University, 2013-2016
- Fulbright Specialist grant, conducted at the University of Johannesburg, South Africa, 2013
- €90,000 Postgraduate Research Scholarship, tuition + stipend for doctoral study at Trinity College Dublin, 2006 - 2009
- \$80,000 Graduate Assistant Fellowship, Tisch School of the Arts, New York University, 1999 - 2001

Education

2009. **PhD.** Disruptive Design Team, *Department of Electronic and Electrical Engineering*, Trinity College Dublin
2001. **Master of Professional Studies.** *Interactive Telecommunications Program*, Tisch School of Arts, New York University
1999. **Bachelor of Science.** *Fiber Science and Apparel Design*, School of Human Ecology, Cornell University