

Andrew Quitmeyer

Digital Design and Adventure

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Education

Georgia Institute of Technology

2009 -
2015

Ph.D. Digital Media - "Digital Naturalism"
M.S. Digital Media (Best Project Award)

My "Digital Naturalism" research investigates physical computing for biological field research. I developed techniques and tools to help scientists in rainforest expeditions interact with and explore animals and environments.

University of Illinois Urbana-Champaign

2004 -
2008

B.S. Industrial Engineering [Highest Honors]
B.A. Film Theory and Production [Campus Honors]

Studied engineering, problem solving, experimental media, and interactive performance.

Research

Selected Publications

- Quitmeyer, Perner-Wilson. "Portable Studio Practice." *Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing -Wear and Tear Workshop*. ACM, 2015.
- Quitmeyer. "Digital Naturalism: Designing Holistic Ethological Interaction." *CHI'14 Extended Abstracts on Human Factors in Computing Systems*. (2014)
- Nitsche, Quitmeyer, et al. "Teaching Digital Craft." *alt.chi - CHI '14 Human Factors in Computing Systems*. (2014)
- Quitmeyer, Nitsche. "Mark Your Territory: Bridging Ownership between Real and Digital Spaces," *Cybernetics - Leonardo Electronic Almanac*. (2014)
- Quitmeyer, Nitsche, Ansari. "Media in Performance – The Subway Project," *International Journal of Art and Technology* (IJART). (2014)
- Mazalek, Nitsche, Chandrasekharan, Welsh, Clifton, Quitmeyer, Peer, Kirschner. "Recognizing Your Self in Virtual Avatars," *IJART*. (2013)
- Yang, Quitmeyer, Hrolenok, et al. "Ant Hunt: Towards a Validated Model of Live Ant Hunting Behavior," *Florida Artificial Intelligence Research Society*. (2012)
- Mazalek, Nitsche, et al. "Recognizing Self in Puppet Controlled Virtual Avatars," in: *Fun and Games* (Sept 15-16, Leuven, BEL) New York, ACM,66-73. (2010)

Exhibitions / Talks

- Perner-Wilson, Quitmeyer. "Wearable Studio Practice," *Ars Electronica*. (2015)
- Quitmeyer, Nitsche, Perner-Wilson. "Making and Doing" *Society for Social Studies of Science*. (2015)
- Quitmeyer. "Digital Naturalism." *San Diego Zoo Invited Talk* (2015)
- Quitmeyer. "Modular, low-cost Arboreal Ant (*Azteca alfaroi*) Tracking Sensor Development in Panama." *Entomological Society of America*. (2014)

- Quitmeyer, Clifton, Durkin. "Open Source Sex Toys," *Arse Elektronika*. (2014)
- Quitmeyer, Ansari, Nitsche. "Subway: Preview and Process," *Activist Technology Demo Day – Eyebeam*. (2012)

Work

Comingle

2013-
Present

Founder / Designer

Founded pioneering Open-Source Sex Technology Company. We target innovations in interaction, stimulation, and personal customization.

Smithsonian Tropical Research Institute

2013-
2014

Smithsonian Fellow

Named a fellow in 2013, I taught cybiotic interaction design and digital biocrafting workshops to scientists living in the Panamanian Rainforest.

Georgia Tech - "Principles of Interaction Design"

Instructor

Designed and taught my own class for Computational Media Undergraduates. It focuses on physical computing, situated performance, and biological interfaces.

Multi-Agent Robotics and Systems Lab

2010 -
2013

Lead Software Designer/Documentarian

Designed and programmed biotracking software for scientific and artistic projects. NSF (0960618) and ONR (550740) grants for computer-vision biotracking.

Skills

- Working fluency in **Spanish, Mandarin Chinese, and French**.
- Field Experience: **Navigating, Manual Transmission Backcountry Driving, Zoological Collecting and Tagging, Vaccine Spectrum (including Rabies)**.
- Versatile programming background: **C++, Java, Arduino, Android, PHP, HTML5, CSS3, Javascript, Python, Linux, After Effects Scripting, QBasic**.
- Extensive training in physical/digital design and prototyping tools, particularly: **Abobe's Creative Suite, CNC, CAD, Laser Cutting, Milling, 3D Printing**.

Honors

Awards

- Georgia Tech: Legacy Award (2013), Best Poster (2013), Foley Scholar. (2014), Presidential Fellowship (2011-2015), Full Fellowship (2015).
- Comingle: Prixx Arse (Arse Elektronika 2014), Best of Atlanta (Creative Loafing 2015)
- Smithsonian Tropical Research Institute Fellowship. (2013, 2014)
- Instructables Design Contests: numerous first and grand prizes. (2013-2015)
- Digital Atlanta Artist Award for Subway project. (2013)