

# Morgan Rauscher

Traveling Scholar



Currently In: Vancouver BC

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## Education

- 2011 – 2020 **Individualized Electronic Arts PhD**  
Concordia University (Milleuex/Hexagram Institute), Montreal, QC, Canada  
**Research:** Tele-Haptic Robotic Proto-Sculpting (4.05 GPA)
- 2008 – 2010 **Masters of Applied Digital Media Arts**  
Emily Carr University, Vancouver, BC, Canada (Valedictorian)  
**Thesis:** Android-robotic face recognition & tracking systems
- 2000 – 2004 **Combined Honors BA [digital] Multimedia & Visual Arts**  
McMaster University, Hamilton, ON, Canada (Summa Cum Laude)  
**Honors Project:** The McMaster University Virtual Tour (sold to McMaster)

## Professional Experience

- 2022 – 2023 **Co-Founder & CTO**  
*@ YOKOYAMA ROBOTIX Ltd., Kelowna, BC*  
Conception and technical development of cherry (small fruit) harvesting automation. Additional projects include extracted cannabis products filling and packaging including certification automation.
- 2008 – 2019 **Creative Principal**  
*@ TS Business and Technology Consulting Ltd., Vancouver*  
Conception and technical development of art and technology works, providing transformation for organizations ranging from small private enterprises to fortune 500 companies and the Canadian government.
- 2019 – 2021 **Electronic Arts University Lecturer**  
*@ UBC Okanagan (Creative & Critical Studies Department), Kelowna, BC.*  
Design and delivery of undergraduate courseware, lectures and assignments, coordination of course work, critiquing and advising students.
- 2011 – 2014 **Electronic Arts University Instructor**  
*@ Concordia University (Design and Computational Arts Department), Montreal*  
Design and delivery of course-ware, lectures and assignments, coordination of course work, critiquing and advising students. I taught; Creative Electronic Studios, Tangible Media and Physical Computing, Networks and Navigation and I guest lectured for Masters level seminars.

**2010 – 2012**

### **Inventor & Co-Founder**

@ *Mondomatrix Creative Electronics, Toronto*

Invented and designed an open-source creative electronics micro-controller product expanding the Arduino platform for artists and designers. Responsible for product design, manufacturing and assembly line design, logistics concept, operations and marketing management.

**2010 + 2011**

### **Electronic Arts University Instructor**

@ *Emily Carr University of Art + Design, Vancouver*

Designed and taught; Creative Electronics for Beginners, Interactivity: Media Practices, WordPress Programming, and I was invited to lecture in Advanced Digital + Interactive Art.

**2003 – 2008**

### **Multimedia Chief Designer + Coder**

@ *M-Media Multimedia Ltd., Toronto*

Over 40 projects completed including the McMaster University Virtual Tour, e-Learning for DLC, e-commerce projects and the Government of Canada (Institute of Infection and Immunity) website.

- Management of development teams
- Software, e-learning and mass digital communications design and development
- User testing, invigilation and information efficiency reporting
- Search engine optimization development and execution

## Awards

2015 – Hexagram Institute Research Grant  
2015 – Concordia University Travel Grant  
2014 – INDI Research Expo First Prize; Ph.D.  
2012 – Concordia University Full Fellowship  
2010 – Emily Carr President's Research Fund  
2009 – SSHRC: Canadian Graduate Scholarship

2003 – Altana Pharma Commissioned Competition Winner  
2003 – Post-it Note-able Art Competition Winner  
2003 – The McMaster Prize for Special Achievement  
2003 – McMaster University Senate Scholarship  
2001-2003 – McMaster University Dean's Honor Award  
2000 – McMaster University Entrance Scholarship

## Publication Selection

+ M Rauscher, "Haptic transference: A new haptic feedback robotic control interface," in *Electronics, Communications and Networks IV*, 0 vols., CRC Press, 2015, pp. 1595–1597.  
+ M. Rauscher, "The Essence of Interactive Expression," *Samizdatpress Hamilt. Arts Lett.*, vol. 1, no. 7, p. 13, Spring/Summer 2014.  
+ Morgan Rauscher, 'Zeugen', *Journal of Integrated Studies*, 4 (2013) <<http://jis.athabasca.ca/index.php/jis/article/view/151>> [accessed 16 July 2013].  
+ The 6th Annual International Conference on Visual and Performing Arts, Athens, Greece  
+ The 4th International Conference on Electronics, Communications and Networks CECNet, China  
+ The Fifth International Conference on Tangible, Embedded and Embodied Interaction (TEI) "Art Explorations", Funchal, Portugal  
+ Technarte. International Conference on Art & Technology, Bilbao, Spain  
+ "Nuit Blanche", N-Polytope, collaboration with Chris Salter, Paris, France  
+ "INDI's inaugural research exposition", Engineering and Visual Arts Complex, Montreal, QC

+ "Et si les robots mangeaient des pommes?": Maison des arts de Laval, Laval, QC  
+ "Dust": The Ally-way Gallery, Montreal, QC  
+ "eXhibitions": A B Gallery, Montreal, QC  
+ "Life Light": New Market, Installation, New Westminster, BC  
+ "World Maker Faire": Viscusi Gallery, New York Hall of Science, Flushing, Queens, NY  
+ "Taken Up, Slightly Revised": Charles H. Scott Gallery, Vancouver, BC  
+ "E-Mixer": Surrey Art Gallery (Interactive Futures '09), Surrey, BC  
+ "Not That Grad Show": The Concourse Gallery, Vancouver, BC  
+ "Legal Size": The ( ) Space, Vancouver, BC  
+ "SUMMA Exhibition": McMaster Art Gallery, Hamilton, ON  
+ "McMaster Student Art Competition": University Student Center, Hamilton, ON  
+ "Interactive": Gag the gallery, Hamilton, ON  
+ "Post-it Note-able Art Competition: Harbor Front Center, Toronto, ON  
+ "Humanities Symposium": McMaster University Student Centre, Hamilton, ON  
+ "Confess": The New Space (Mc Master University), Hamilton, ON  
VIVO Media Arts Center, interactive persistence of vision and sound installation commission, Vancouver, BC