

talia lyric weiss

W: www.talialyric.com T: 206-359-2667 E: talia.lyric.weiss@gmail.com

education

UNIVERSITY OF ILLINOIS AT CHICAGO

August 2018

M.S. *Biomedical Visualization*

Interdisciplinary program in digital art, medical sciences, and technology
GPA: 4.0/4.0

Thesis: *Virtual Reality as a Visualization Technique to Improve Surgeon Understanding of Aneurysm Anatomy*

- *Mixed Reality Lab*: Worked with engineering and visualization students applying AR/VR to medical simulation
- *Microbiology TA*: Lectured and guided experiments for classes of up to 24 undergraduate students

DARTMOUTH COLLEGE

June 2014

B.A. *Neuroscience* | Minor: *Digital Arts*
GPA: 3.71/4.0 | Cum Laude

- *Digital Arts Leadership and Innovation (DALI) Lab*: Managed a team to develop a phylogenetic tree application for a client involved in evolutionary research
- *Naurex, Inc.* (Acquired by Allergan): As a research intern, aided investigation of mechanisms underlying phase II drug for depression
- *Active Alumna*: Conduct admissions interviews and mentor current students

work experience

SIMX

March 2020 - Present, *Virtual Reality Program Manager*

- Implement and manage an effective process for the production of VR medical training scenarios for hospitals and universities
- Communicate with medical, engineering, sales, and customer success teams as well as customers to deliver high-quality product

STANFORD UNIVERSITY VIRTUAL HUMAN INTERACTION LAB

August 2018 - March 2020, *Director of Medical Research, Lab Manager*

- Directed the lab's medical research projects to investigate the use of VR in areas such as depression and anxiety
- Managed over 30 students by coordinating teams of undergraduate and PhD researchers to support academic studies

IMS CONSULTING GROUP

July 2014 - June 2016, *Analyst promoted to Associate Consultant*

- Consulted for Fortune-500 pharmaceutical companies on post-acquisition strategy, product pricing and launch, and market access
- Managed teams and timelines, and communicated directly with client to deliver successful projects
- Conducted physician, health insurer, and pharmacist interviews to provide insights that fed analysis

engagements & awards

SILICON VALLEY WOMEN IN ENGINEERING SPEAKER

March 2019, *San José State University SV WiE Conference*

- Presented on *Art, Science, and Virtual Reality* for AR/VR panel

ACADEMIC ACHIEVEMENT IN NEUROSCIENCE

June 2014, *Dartmouth Department of Psychological and Brain Sciences*

- Awarded to graduating students with a 4.0 GPA in the department

publications

McGuire L. S., Kwasnicki A., Ismail R., Weiss T., Charbel F. T., Alaraj A. (2018) Future of Visualization and Simulation in Neurosurgery. In: Alaraj A. (eds) *Comprehensive Healthcare Simulation: Neurosurgery*. Comprehensive Healthcare Simulation. Springer, Cham.

Weiss, T. L., Young, C. D., Brennan, K. M., Luciano, C. J., McGuire L. S., Herrera, F., & Alaraj, A. (2019, October). *Virtual reality as an immersive 3D visualization technique to improve surgeon understanding of aneurysm anatomy*. Poster presented at the Congress of Neurological Surgeons, San Francisco, CA.

Weiss, T. L., Zieselman, A., Hill, D. P., Diamond, S. G., Shen, L., Saykin, A. J., & Moore, J. H. (2015). The role of visualization and 3-D printing in biological data mining. *BioData Mining*, 8(1), 22.