

# Adriana Orland

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## EDUCATION

**University of Illinois at Chicago, Chicago, IL | 2015 - 2017**

*M.Sc. in Biomedical Visualization*

- Elected as class treasurer
- Collaborating with the Neurosurgery Department to produce an animation on an innovative surgical technique to further educate residents and fund clinical trials
- “Animating external magnetic guidance of intrathecally delivered gold-coated nanoparticles to treat intramedullary spinal tumors”. Abstract accepted to Experimental Biology Conference April 2017

**University of Illinois at Chicago, Chicago, IL | 2014 - 2015**

*Non-degree Student in the Graduate College of Neuroscience*

- Completed course work in Foundations of Neuroscience 1 & II
- Completed course in Techniques in Neuroscience

**Vitruvian Fine Art Studio, Chicago, IL | 2014 - 2015**

- Attended an Atelier with a strong focus on value, light, and form

**Carleton College, Northfield, MN | 2013**

*B.A. in Biology; Focus in Neuroscience; Minor in Spanish*

- Defended senior thesis on the role of MeCP2 protein in Retts Syndrome

## WORK EXPERIENCE

**Dr. Ohlsson’s Deep Learning Lab, Psychology Department, University of Illinois at Chicago | 2014 - 2015**

*Research Assistant and Teaching Resource Assistant*

- Led sessions and analyzed data on the cognitive processes underlying conceptual learning
- Investigated and implemented new psychology software, OpenSesame, in experiments. Assisted Dr. Ohlsson with his psychology seminar on cognitive modeling methods to teach Opensesame
- Presented a poster on research results at the Midwestern Psychological Association Conference

**Rosenthal Fine Art, Chicago, IL | 2013 - 2014**

*Marketing/ Advertising and Art Research Intern*

- Helped organize and promote the art event: Reenactment of Dick Higgins’ One Thousand Symphonies (approximately 60 attendees)
- Investigated artwork for national and international museums and private buyers
- Maintained Social Media and Rosenthal Fine Art Website
- Developed website and pitched several logos/graphics for art project on fashion and how people are perceived based on their fashion

## COURSES

AR & VR Interactivity  
3D Modeling I & II  
3D Animation, I, II, III  
Interactivity I  
Visualization Research  
Visual Learning and Thinking I & II

## TECH & SKILLS

### *Innovative Technology*

Augmented Reality  
HTC Vive  
Oculus Rift  
Virtual Reality

### *Programming Languages*

HTML  
CSS  
C#

### *Techniques*

Paper Prototyping  
Sketch  
Storyboarding  
Writing  
UX/UI

### *Software*

3ds Max  
Adobe Creative Suite  
Articulate Storyline  
ITK-SNAP  
Materialise Mimics  
Mudbox  
OpenSesame  
Unity  
VMD

### *Other Skills*

3D Animation  
3D Modeling  
Graphic Design

**Anna K. Orland, DDS, Wheaton, IL | 2008 - 2014***Dental Assistant - Part Time*

- Intermittently worked on breaks and summers throughout high school and college
- Assisted with dental care and sterilized dental instruments
- Communicated dental procedures to patients
- Entered patient data into CS SoftDent practice management system

**LANGUAGES**

Ukrainian - Fluent  
 Spanish - Conversational  
 German - Beginner

**PROFESSIONAL MEMBERSHIP****PRESENTATIONS**

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|---|--|
| • Association of Medical Illustrators, Student Member       | 2017 SAMA Art Show: Inside the World of Medical Art    |
| • Student Association of Medical Artists, Treasurer         | 2016 UIC Applied Health Sciences Research Day          |
| • American Association of Anatomists, Student Member        | 2015 Student Association of Medical Artists Art Show   |
| • International Game Developers Association, Student Member | 2014 Midwestern Psychology Association Conference      |
|   | 2012 Carleton College Health Psychology Poster Session |

**VOLUNTEER EXPERIENCE****Museum of Science and Industry, Science Works: Cool Careers Volunteer, Chicago, IL | 2015 - 2016***Volunteer*

- Educate and introduce the general public and students of all ages to the University of Illinois of Biomedical Visualization Graduate Program

**Prairie Creek Community School, Northfield, MN | 2013***Volunteer*

- Visited local middle school to teach students about the structure and neuroscience of the eye

**Center for Community and Civic Engagement, Northfield, MN | 2011 - 2013***Health and Community Development Fellow*

- Founded and Developed a Carleton music listserve to connect students with Northfield Middle School (listserve grew to over 100 people over the course of the first 2 years)
- Supervised and led meetings with 10 Student-Initiated Ongoing Health Volunteer Programs (re-developed reflection and goal sheets to help students feel more supported and to help them think about ways in which they could improve the work they were doing with their organization)
- Organized and Promoted a political watch party for over 100 students to watch the presidential debate
- Ukrainian Translator during Parent/Teacher Conferences at Northfield Elementary and Middle School

**Northfield Project, Student-run community service program, Northfield, MN | 2009 - 2011***Program Director*

- Led a group of 7 students to volunteer at the Jefferson Home for Individual's with Disabilities in Northfield. Over the course of 2 years, each individual was paired with an individual and formed strong supporting relationships
- Organized a student fund raiser with the Special Olympics to promote awareness and support for both organizations