

# JANET CHAO

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• illustrationideas@gmail.com •

## EDUCATION

**M.S. in Biomedical Visualization**  
University of Illinois, Chicago, IL

Graduation expected August 2009

**Certificate in Science Illustration**  
University of California Extension, Santa Cruz, CA

September 2006

**B.S in Bioengineering, Chemistry Minor**  
University of Illinois, Urbana-Champaign, IL

May 2005

## EXPERIENCE

### **Freelance Illustrator**

August 2005 to Present

- Illustrated scientific subjects for academic publications
- Designed logos and academic posters for laboratories
- Worked with a variety of clients, ranging from private individual to companies
- Adapted to the clients' needs for different projects

### **Treasurer – Student Association of Medical Artists**

**Chicago, IL**

August 2008 to Present

- Helped raise money to help students attend conferences
- Organized club funds
- Participated in events to promote medical art

### **Anaplastology Assistant – University of Illinois, Craniofacial Center**

**Chicago, IL**

June 2008 to Present

- Learned standard laboratory materials and techniques for making facial prostheses
- Designed and fabricated auricular prostheses for patients in a clinical environment
- Integrated traditional methods with digital planning to increase accuracy and reduce fabrication time
- Improved laboratory techniques
- Observed implant surgeries
- Practiced professionalism in a clinical environment

### **Writer – Revealed Blog, <http://illustrationrevealed.wordpress.com>**

February 2008 to October 2008

- Organized and shared ideas about scientific and medical visualization
- Promoted the field of scientific and medical illustration to the general public
- Provided guidance for people interested in becoming an illustrator

### **Teaching Assistant – University of Illinois, Department of Biology**

**Chicago, IL**

January 2008 to December 2008

- Prepared study guides to assist students with class materials
- Taught a weekly lab with hands-on experience from August to December 2008
- Proofread and graded class exams
- Helped students communicate questions and concerns to the professors

### **Laboratory Assistant – University of Illinois, Department of Biology**

**Chicago, IL**

January 2008 to May 2008

- Prepared samples for a sophomore to junior level biology laboratory course
- Organized lab equipment on a regular basis

**Biological Illustrator – California Academy of the Sciences**

Mill Valley, CA

September 2006 to July 2007

- Illustrated over sixty new species of insects from the order Embiidina for journal publications
- Photographed insects through a microscope
- Organized and digitized files and images
- Interviewed and trained other illustrators

**Intern – Scientific American**

New York, NY

June 2006 to September 2006

- Art directed the article “Peacekeepers of the Immune System” in the October 2006 issue
  - Designed the cover page illustration and information graphics for the article
  - Communicated ideas with illustrators and presented drafts at weekly meetings
  - Formatted the article using InDesign to fit magazine and printing requirements
- Illustrated several graphs and charts for the September and October 2006 issues

**Research Assistant – University of Illinois**

Urbana-Champaign, IL

August 2002 to August 2004

- Analyzed the degree of relatedness between same species individuals of Antarctic fish using gel electrophoresis to compare antifreeze protein
- Refined lab techniques and analysis methods

**Intern – Salk Institute for Biological Studies**

La Jolla, CA

July 2000 to August 2000

- Set up, observed, and participated as a subject in EEG experiments at the Computational Neurobiology Laboratory

**PUBLICATIONS**

Illustrations have been published in the following:

Cziko, P. A., Cheng, C. –H. C. (2006). A New Species of Nototheniid (Perciformes: Notothenioidei) Fish From McMurdo Sound, Antarctica. *Copeia*, 2006(4), 752-759.

Martin, O. (2005). Lettuce Offers a Palette of Tastes, Textures, and Colors. *The Cultivar*, 23(2), 13-17.

\*Ross, E. S. (2009). Lifelong Safari: The Story of a 93-Year-Old Peripatetic Insect Hunter. *Annual Reviews of Entomology*, 54, 1-16.

Ross, E. S. (2008). The Embiidina of Eastern Asia, Part I. *Proceedings*, 58(29), 575-600.

Socolow, R. H., Pacala, S. W. (2006). A Plan to Keep Carbon in Check. *Scientific American*, 295(3), 50-57.

Upcoming Publications:

Makeig, S. et al. (2009). Linking Brain, Mind, and Behavior. *International Journal of Psychophysiology*.

\*Credited as *illustrator who contributed to research; no illustration appears in the publication.*

**AWARDS and HONORS****Van Doren Scholarship**

October 2008

University of Illinois Foundation

**Van Doren Scholarship**

October 2007

University of Illinois Foundation

**RELEVANT COURSEWORK****Biological Science Courses:**Accelerated Chemistry Lab  
Organic ChemistryGenetics, Evolution, Biodiversity  
Molecular and Cellular BiologyBiomolecular Material Science  
System and Integrated Physiology

Fundamentals of Lab Safety Introductory Biochemistry	Ecology and Organismic Biology Biomolecular Engineering	Cell and Membrane Physiology Human Anatomy
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**Engineering Science Courses:**

Calculus of Several Variables Differential Equations Mechanics	Electricity and Magnetism Intro Electrical/Computer Engineering	Thermal Physics Quantum Physics
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**Art Courses:**

Fundamental Drawing Fundamental Design Drawing and Rendering Figure Drawing Field Sketching Anatomical Visualization Illustration Techniques	Natural Science Illustration Techniques in Color Illustration Botanical Illustration Zoological Illustration Graphic Design Information Graphics Interactivity Information Graphics	Instructional Design Computer Applications Computer Visualization Computer-based Multimedia* Computer Animation Animation and Multimedia* VR & Stereography*
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**Other Relevant Courses:**

Business Practices Surgical Orientation Clinical Sciences	Anaplastology Materials and Techniques Clinical Anaplastology
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*\*Indicates courses that will be completed by the time of graduation*

**SKILLS**

- Experienced with both traditional and digital media:
  - **Traditional Media:** graphite, pen and ink, coquille, scratchboard, color pencil, watercolor, gouache, acrylic
  - **Digital Media:** Photoshop, Illustrator, InDesign, Dreamweaver, GoLive, Flash\*, 3ds Max, AfterEffects, Premiere
- Skilled at impression-taking, casting, and three-dimensional sculpting
- Graphic design and exhibit design
- Familiar with biology and chemistry laboratory procedures
- Good organization and visualization skills
- Comfortable with both Macintosh and PC platforms

*\*Indicates skills that will be learned by the time of graduation*