

# Dani Traphagen

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## CONTACT INFORMATION

mobile: (949) 331-8005  
e-mail: [dttrapezoid@gmail.com](mailto:dttrapezoid@gmail.com)  
website: [www.dttrapezoid.com](http://www.dttrapezoid.com)

## OBJECTIVE

Pursuing roles in online education, technical training and videography.

## RESEARCH INTERESTS

The science of teaching, open science, computational education, online learning.

## EDUCATION

**University of California, Berkeley**, Berkeley, Ca

*Bachelor of Sciences* INTERCAMPUS TRANSFER PROGRAM

**2011 – 2012**

**University of California, Merced**, Merced, Ca

*Bachelor of Sciences* MOLECULAR AND CELLULAR BIOLOGY

**2005 – 2011**

- Minor: World Cultures and Literature

## HONORS AND AWARDS

California Institute of Regenerative Medicine Bridges Scholar.

**2013**

Dean's List, University of California Berkeley, Berkeley, Ca.

**Fall 2011**

Dean's List, University of California Merced, Merced, Ca.

**Spring 2011**

Dean's List, University of California Merced, Merced, Ca.

**Spring 2010**

Dean's List, University of California Merced, Merced, Ca.

**Summer 2009**

Dean's List, University of California Merced, Merced, Ca.

**Spring 2009**

## PROFESSIONAL EXPERIENCE

**Informations Systems Analyst**, Berkeley, CA

**July 2013 – Feb 2014**

*University of California - Berkeley - Electrical Engineering and Computer Science Infrastructure Development and Support Group*

Co-created and co-taught data science course, project managed new builds for the department, presented at the first annual Berkeley Data Science Faire.

**Programmer Assistant II/Sys Admin**, Berkeley, CA

**August 2011 – Dec 2012**

*University of California - Berkeley - Electrical Engineering and Computer Science Instructional Research and Informations Systems*

Performed network support and administrative tasks such as UNIX systems, identity services, credentials and database management.

**Student Technicial**, Merced, CA

**2009 – 2011**

*University of California - Berkeley - Electrical Engineering and Computer Science Instructional Research and Informations Systems*

Provided both hardware and software support for UNIX, OSX and Windows operating Systems.

## RESEARCH EXPERIENCE

**University of California - San Francisco - Lotz Roy Labs**, SF, CA **March – Nov 2013**

*California Institute of Regenerative Medicine Scholar, Orthopedic Bioengineering*

Generating novel dual-scale, electrospun, laser-etched scaffolds for cartilage tissue engineering and regeneration.

**University of California - Merced - Barlow Lab**, Merced, Ca

**Spring 2010**

*Undergraduate Researcher*

Performed replica-plating experiments in bacterial antibiotic resistance genetics and under Principal Investigator: Miriam Barlow, Phd.

**University of California - Merced - Pallavicini Lab**, Merced, Ca

**Fall 2010**

*Undergraduate Researcher*

Assisted with Flow Cytometry Experiments involving Cancer Stem Cells under Principal Investigator: Dean Maria Pallavicini, Phd.

TEACHING EXPERIENCE	<b>Software Carpentry Advanced Bootcamp</b> , Chicago, IL <b>Invited By :</b> Stanford, Graduate School Version Control	<b>Aug 14–15, 2014</b>
	<b>Women in Technology Workshop</b> , Mountain View, Ca <b>Hosted By :</b> Facebook and PyData Helper in Python	<b>May 3, 2014</b>
	<b>Software Carpentry Python Workshop</b> , Berkeley, CA <b>Invited By :</b> Lawrence Berkeley National Laboratory, Office of the CIO Helper in Unix Shell, Databases, Python, Git, Pandas	<b>Apr 14–15, 2014</b>
CONFERENCE PUBLICATIONS	[1] <b>Traphagen D.</b> , Kim EJ., Ouyang A., Liebenberg E., Lee B., Tang X., Lotz J., and Roy S. “Multi-layerd Fibrin Gel Polymerization of Laser-etched Poly-e-caprolactone, Dual-scale, Electrospun Scaffolds for Cartilage Tissue Engineering.” <i>Functional Biomaterials for Regenerative Medicine-Materials Research Society</i> . San Francisco, Ca. April 2014.  [2] <b>Traphagen D.</b> , Kim EJ., Ouyang A., Liebenberg E., Lee B., Tang X., Lotz J., and Roy S. “Co-cultured Bilaminar Cell Pellets in Poly(e-caprolactone) Electrospun Scaffolds for Cartilage Tissue Engineering.” <i>California Institute of Regenerative Medicine Bridges Meeting</i> . Burlingame, CA. July 2014.	
SCIENTIFIC COMPUTING SKILLS	<b>Languages</b> bash, Python. <b>Version Control</b> git.	
REFERENCES	Available upon request	