

First M. Last
Phone: (555) 555 – 5555
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EDUCATION:

University of California: San Diego
B.S. Bioengineering. GPA: 3.72

Sep. 2012 – June 2016 (Expected)

SKILLS

- Advanced cell and tissue culture
- Assay development and validation
- Biomedical imaging and image analysis
- MATLAB/LabView/AutoCAD proficiency
- Genomic sequencing and data analysis
- Team management and leadership
- Excellent critical thinking and problem solving ability

JOURNAL PUBLICATIONS:

- Peng, L., Last, F., et al. Characterization of a clinical polymer-drug conjugate using multiscale modeling. *Biopolymers* 2014, 93, 936– 951

RESEARCH:

Biosensors Lab, Dept. of Bioengineering, UCSD.

Jan. 2014 – Present

- Parameterized data for a drug molecule nanovectors to elucidate the physiochemical properties of the drug delivery systems *in silico*.
- Used computer vision to analyze vasculature distribution patterns in the periphery of an implanted porcine oxygen biosensor.

EMPLOYMENT:

Genentech Inc. (Pharma and Technical Development) San Francisco CA

June 2014 – Sep. 2014

- Developed an assay for Matrix Assisted Ambient Ionization Mass Spectrometry for rapid solvent free analysis of insoluble molecules, large proteins, peptides and digests.

Shiley Center of Orthopedic Research and Education, La Jolla CA

June 2013 – Sept 2013

- Created an inexpensive and portable system to quantify joint kinematics using the Nintendo Wii.
- Used this technology with the **San Diego Padres** to longitudinally track shoulder mobility of pitchers in order to ascertain health and overuse of pitchers during the season.

Teaching Assistant (Mechanical Engineering Department), La Jolla CA

Fall 2014

- Guided students by helping them apply CAD and engineering techniques in the design of working machines.

ACHIEVEMENTS and AWARDS:

- Most Informative Poster at Genentech Summer Intern Poster Expo (2014)
- Best Oral Presentation Biomedical Engineering Society Lab Expo (2014)
- Gordon Scholar at the Jacobs School of Engineering (UCSD) (2014)
- Elected to the Tau Beta Pi, UCSD Scholars Society, and UCSD Warren College Honor Society.