

# Samer Metri

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## EDUCATION

### University of California, Irvine

Bachelor of Science, Biology

Specialization in Genetics

GPA: 3.8 / 4.0

Irvine, California

Expected Graduation: June 2018

Honors: Dean's Honors List (8 Quarters)

## RESEARCH EXPERIENCE

### Sue and Bill Gross Stem Cell Research Center, Seiler Lab

Undergraduate Researcher

Irvine, California

January 2017 - Present

- Performed protein extraction and western blot analysis on human eye tissue and human embryonic stem cell neurospheres to analyze and compare protein expression depending on the age of the tissue
- Performed immunohistochemistry staining of eye sections post retinal progenitor cell transplantation into humanized rats to analyze the makeup and localization of cell markers

### Sue and Bill Gross Stem Cell Research Center, Boiko Lab

Undergraduate Researcher

Irvine, California

October 2016 – June 2017

- Collected, imaged, and analyzed mouse squamous cell carcinoma tumors to determine the clonal contribution of stem-like cells using a rainbow reporter construct and fluorescent microscopy
- Performed immunohistochemistry staining to verify the presence of proteins markers and consulted with a pathologist to correctly identify different types of squamous cell carcinoma tumors

### AntiCancer, Inc.

Research Intern

Irvine, California

May 2016 – September 2016

- Analyzed the effect of vitamin C on the rate of tumor metastasis following invasive surgery
- Cultured and prepared human cancer cells for mice injection and performed autopsies on surgical fatalities to examine the cause of death and minimize the rate of future surgical complications

### Esser-Khan Laboratory

Undergraduate Research Assistant

Irvine, California

October 2015 – June 2016

- Conducted reactions and imaged the results in order to determine the best concentration and flow rate needed in order to fine tune future experiments to achieve optimal growth and etching in Polydimethylsiloxane polymers

## WORK EXPERIENCE

### UC Irvine, Office of Information and Technology

Senior Network Consultant

Irvine, California

October 2015 – Present

- Lead programmer tasked with creating and maintaining one of the help desk's most used tools residing on Slack
- Supervised day-to-day tasks of student employees, including hiring, training, and scheduling of student staff

### Taza Systems

Software Developer

San Diego, California

May 2014 – September 2014

- Designed and developed a web application used to help with the automation of real estate inspection portfolios

## SKILLS

**Laboratory Skills:** Cell culture; Immunoprecipitation; Western blotting; Mice injections; Basic mice surgical procedures; Cryostat sectioning; Zeiss Fluorescence Microscope; Nikon Ti-E Inverted Microscope; Image Acquisition Pro

**Programming Languages:** R; Python; JavaScript; C-Sharp; Visual Basic; HTML; CSS

## INVOLVEMENT

### University of California, Irvine Medical Center

Shadowing Dr. Maxwell Jen

February 2018 – Present

Orange County, California

### University of California, Irvine Medical Center

Hospital Volunteer

February 2017 – Present

Orange County, California

### Lestonnac Free Clinic

Student Volunteer

December 2017 – Present

Orange County, California

### Pre-Student Osteopathic Medical Association

Active Member

October 2017 – Present

Irvine, California

### Senior Research Project, Department of Physical Medicine & Rehabilitation

UC Irvine, Undergraduate Research Opportunities Program

January 2017 – Present

Irvine, California