

Name

Curriculum Vitae

Adress

E-mail

Linked in

EDUCATION

B.S., Molecular, Cellular, and Developmental Biology | University of California, Santa Cruz | Santa Cruz, CA

- Expected Graduation date: June 2016

RELATED COURSEWORK

- Chemistry A, B, C
- Calculus 19A, 19B
- Biology 20A, 20B
- CMPS 5J
- Organic Chemistry 108/L (Fall 2014)
- AMS 7

RESEARCH EXPERIENCE/TECHNIQUES/INTEREST

Undergraduate Research Assistant | UCSC Pourmand Lab | September 2014- June 2015

The Pourmand Lab is a lead researcher in Biosensors and Biotechnology at UCSC. The lab focuses in Nano pipette technology, for the use of biosensors, which if successful, holds great potential for understanding single cell biology, and as a result, cancer- research stem cell research and other neurodegenerative diseases.

- Spectrophotometry
- Voltammetry
- Surface modification and functionalization
- Nano pipette technology
- Electrochemistry

Summer Research Intern | UCSC-STEM Diversity Summer Research Institute | June-August 2014

The Summer Research Institute is a series of lab rotations that are designed to prepare you to work in a variety of lab settings. The familiarization of laboratory techniques, as well as proper conduct and safety methods are important components of the program. Skills and techniques include:

- PCR
- DNA Recombination
- Purification techniques
- Plating techniques
- Gel electrophoresis
- Drug resistance screening
- Sterile technique
- Measuring bacterial growth using optical density
- Data analysis and bookkeeping

LEADERSHIP

UCSC SACNAS Chapter | July 2014-current | President

The SACNAS Chapter works to develop the next generation of unrepresented minority leaders, as well as to encourage advancement of careers and degrees in the sciences. As a chapter we:

- Volunteer in schools K-12 in order to expand the interest in STEM careers amongst unrepresented communities as well as to assist in building a bridge to ease the transition from high school to college
- Outreach and aid college students in developing leadership, networking, and professional skills
- Fundraise for the annual SACNAS Conference, where students are given the opportunity to present their research and network with other professionals

UCSC Summer Engineering Bridge Program | June-August 2013 | Peer Mentor

This program is designed to prepare incoming freshmen that are intended Engineering majors, with the necessary skills to succeed. During the program, we:

- Developed and oversaw the participants' Engineering team-project which involved basic hardware and programming skills
- Managed and counseled a group of 24 incoming frosh interested in and engineering majors
- Developed and delivered technical workshops essential for the participants' engineering career

HONORS/AWARDS/PRESENTATIONS

- Cloning of a SPT5 Fragment using Molecular Cloning Techniques (Poster)
Summer Undergraduate Research Symposium, UCSC, Santa Cruz, Ca. Summer 2014
- Travel Grant Award, SACNAS (Society for the Advancement of Chicanos, Latinos and Native Americans in the Sciences) Fall 2014

MEMBERSHIPS OF PROFESSIONAL AFFILIATIONS

- **Student Member**, SACNAS (Society for the Advancement of Chicanos, Latinos and Native Americans in the Sciences)

LANGUAGES

Fluent in spoken, written and translated Spanish

