

**Rachel Carson**

(805) 555-3333 | crandall@csuci.edu

**EDUCATION**

Bachelor of Science in Biology, CSU Channel Islands, Camarillo, CA  
 Minor in Chemistry

May 2020

**LABORATORY EXPERIENCE**

BIOCHEMISTRY: Protein Assays (A280, Lowry, Coomassie Blue), Protein Purification, SDS-PAGE.

GENETICS/ MOLECULAR BIOLOGY: Purification of Plasmid DNA, Purification of mRNA, Gel Electrophoresis, PCR, RT-PCR, DNA Sequencing, Microarrays, Cloning PCR Products/Transformation of E. coli.

MICROBIOLOGY: Aseptic Technique, Autoclave, Examination of Water, Staining (Gram, Negative, Acid-fast), Enterotubes/API System, Prokaryotic Cell Culture, Streak Plates, Media Preparation, Light Microscopy.

ORGANIC CHEMISTRY: Distillation (Simple, Fractional, etc.), Determination of Melting Points, Qualitative Analysis (Thin Layer Chromatography, IR, NMR), Organic Synthesis.

**WORK EXPERIENCE**

**Community Regional Medical Center**, Camarillo, CA

May 2018-Present

EKG Technician

- Perform EKGs throughout 265 bed hospital including ICU, CCU, NICU, Pediatrics, OB and ER
- Communicate with doctor and patient, schedule procedures and tests for busy diagnostic cardiology department
- Handle patient instruction on proper use of take-home devices
- Maintain organization of office to sustain efficiency and accuracy of testing and patient report

**Research Experience for Undergraduates (REU)**, Los Angeles, CA

Apr. 2017-Dec. 2018

Research Intern

- Conducted research on adapting rapid prototyping technologies for the creation of a biomedical pump
- One of ten individuals chosen to participate in this nationally offered program
- Funding was provided by Milwaukee School of Engineering and the National Science Foundation

**CSU Channel Islands Chemistry Department**, Camarillo, CA

Summer 2017

Chemistry Lab Assistant

- Prepared chemicals for all chemistry laboratories for students taking various science courses
- Handled equipment set-up and dilution to exact concentration of acid, base, and other chemicals
- Assisted professors with preparation for specific lab demonstrations

**CAMPUS AND COMMUNITY INVOLVEMENT**

- Member, Rotary Club Dec. 2017-Present
- Member, American Chemical Society Student Affiliate Chapter May 2016-Present
- Assistant Fundraiser Committee, International Students Club Dec. 2016-Present
- Peer Advisor, CSU Channel Islands May 2015-May 2017
- Volunteer, American Cancer Society Spring 2018