SAMPLE SCIENCE RESUME #1

First Last

(619) 260-4654 I name@sandiego.edu I San Diego, CA

EDUCATION

University of San Diego — San Diego, CA
Bachelor of Arts in Environmental and Ocean Sciences, pathway in Environmental Science, Minor in Biology — Expected May 2020
- Relevant Coursework: Environmental Assessment Practices, Environmental Geology, GIS
- GPA: 3.2

1

The School for Field Studies, Costa Rica — Spring 2019
Center for Sustainable Development Studies
- Conducted original research project: Quantification of ecosystem services in agro-forestry systems and forest fragments
- Gained skills in experimental design, hypothesis testing, data collection and analysis, and ESRI ArcMap software

RELATED EXPERIENCE

Department of Environmental and Ocean Sciences, University of San Diego — San Diego, CA
Research Assistant, Drew Talley, PhD — Fall 2019 - Present
- Research on bioaccumulation of metals in bivalves in Mission Bay using quantitative research methods
- Test for concentrations of metals in bivalves' soft tissues and shells and compare to levels in soil samples
- Use ICP-MS and XRF to analyze metals, utilizing proper techniques and a strong attention to detail

City of San Diego, Metropolitan Wastewater Department — San Diego, CA
Management Intern, Storm Water Pollution Prevention Program — Summer 2019
- Supported the Storm Water Division by monitoring dry weather and coastal sites throughout the city of San Diego
- Conducted illegal connection/illegal discharge investigations and eliminated sources of pollution into the storm drain conveyance system
- Analyzed storm drain water samples for ammonia, nitrate, phosphate, and detergent content as well as pH and turbidity

Ocean Discovery Institute — San Diego, CA
Intern — Fall 2018
- Taught science lessons at elementary schools to underserved youth, leading various activities and experiments
- Assisted with hands-on earth science lessons ensuring student safety and understanding of lab techniques

SKILLS

2

- **Equipment:** Lachat four-channel nutrient autoanalyzer, Bach-Coulter laser particle sorter, ICP-MS, XRF, CTD, YSI multimeter, box corer, multi-corer
- **Laboratory Techniques:** CHEMetric Vacu-vial methods, Hach nutrient analysis methods, Winkler titration, NMR, mass spec
- **Computer:** Microsoft Office suite; ArcMap and ArcGIS; R Commander
- **Language:** Conversational proficiency in Spanish

ACTIVITIES

Member, Women in STEM, University of San Diego — Fall 2017 - Present
Member, Rock Climbing Team, University of San Diego — Fall 2016 - Present

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IMPORTANT NOTES

1. Specify classes (by course title) that are relevant to the job you are seeking.
2. A skills section can be edited to fit the requirements of a position you are applying to.
3. Certifications and awards can also go on a resume if relevant to your experience.

SAMPLE SCIENCE RESUME #2

First Last

San Diego, CA • (619) 260-4654 • name@sandiego.edu • linkedin.com/in/name

EDUCATION

University of San Diego — San Diego, CA
Bachelor of Arts, Biochemistry — May 2020
GPA 3.43

RELEVANT COURSE WORK

- Genetics
- Instrumental Analysis
- Biochemistry/Lab
- Chemistry/Lab
- Biophysical Chemistry/Lab
- Research Methods

LAB SKILLS

1

- Knowledge of and experience with organic synthesis and purification techniques
- Biochemistry and molecular biology lab techniques, including sterile technique, PCR, DNA purification and gel extraction, agarose gel-electrophoresis, yeast/bacterial cell culture, recombinant DNA plasmid purification, and bacterial/yeast transformation
- Direct experience running instruments and interpreting data using NMR, IR, GC and HPLC
- Experience following detailed laboratory protocols with minimal supervision
- Hands-on experience in buffer, media and solution preparations

ADDITIONAL SKILLS

- Excellent written communication skills from report writing
- Data entry and analysis experience using MS Excel database
- Organizational ability demonstrated in efficient and accurate supply orders
- Proficient with MS Word, Excel, PowerPoint, Adobe Photoshop, Windows and Mac OS

RESEARCH EXPERIENCE

2

Laboratory Teaching Assistant, University of San Diego — Spring 2019

- Assisted professor with the general chemistry laboratory of 30-plus students, applying organizational skills
- Ensured student safety and understanding of general chemistry laboratory techniques to foster learning
- Presented findings at campus symposium, utilizing professional communication and public speaking skills

Undergraduate Researcher, Laboratory of Dr. Mary Smith, University of San Diego — Fall 2018

- Researched computational chemistry in a wide variety of systems, including quinoxalines and nucleic acids
- Used ab initio, DFT and molecular dynamics to investigate structure and mechanism of reactions
- Acquired molecular modeling skills: Gaussin, SPARTAN, InsightII, AMBER, MOIL, CURVES

VOLUNTEER EXPERIENCE

Member, University of San Diego STEM Outreach Club — Sept. 2018 - May 2019

- Developed age-appropriate laboratory protocols for elementary and middle school students to ensure safety
- Led middle school students in hands-on activities covering physics, biology, chemistry and engineering during weekly meetings
- Volunteered at special events, such as a weekend STEM Fair for local middle and high school students

POSTERS AND PRESENTATIONS

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"A Study of Structure and Mechanism of Quinoxalines." Poster presentation, University of San Diego Creative Collaborations Conference in San Diego, CA. April 18, 2019.

ACTIVITIES

4

Member, Chemistry and Biochemistry Club, University of San Diego — Fall 2017 - Present
Student Member, San Diego BIOCOM Professional Association — Spring 2017 - Present

IMPORTANT NOTES

1. This area of the resume shows your qualifications to perform the job duties.
2. Think beyond paid employment/internships. Include relevant experience that allowed you to use your skills.
3. Include your conferences, presentations, and publications.
4. Highlight your club involvement and activities on and off campus.