

Max Medina
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EDUCATION

California Polytechnic State University, San Luis Obispo

June 20xx

B.S. Degree in Chemistry

Major GPA: 3.6

Coursework Specialties: Quantitative Analysis, Advanced Organic Mechanisms, Advanced Organic Synthesis

RELEVANT SKILLS

Techniques: Tedelyne ISCO, Silica and alumina columns, Biotage Initiator, CEM Discover SP, Schlenk line, Gel Electrophoresis, TLC

Instrumentation: Preparatory HPLC (Waters), HPLC (Agilent), LCMS (Waters, Bruker), 400 MHz Bruker NMR, 300 MHz Bruker NMR, IR (Brand), GCMS (Brand)

Software: Chem Draw/Chem BioFinder, EZ Chrome, ChemStation, OpenLAB, Mestranova, Microsoft Office Suite

CHEMISTRY EXPERIENCE

Research & Development Intern

July 20xx-September 20xx

Promega Biosciences Incorporated: San Luis Obispo, CA

- Synthesized effective target engagement tracers for collaborators to use in drug discovery process
- Worked effectively with Custom Assay Services team by communicating openly on project standings
- Collaborated with biologists in Madison Headquarters to evaluate kinase tracers
- Analyzed effectiveness of fluorescent dye tracers through cell affinity, permeability, and inhibition tests (IC50)

Student Researcher

September 20xx-June 20xx

Cal Poly Chemistry Department

- Synthesized small molecules through novel oxidation of carbolines by silver complex
- Developed synthetic protocol for use in building libraries for drug development process
- Investigated limitations of synthetic pathways

Laboratory Technician

April 20xx-December 20xx

Promega Biosciences Incorporated: San Luis Obispo, CA

- Tested manufacturing protocols to ensure clarity and validity of syntheses
- Contributed to green chemistry efforts through integration of non-halogenated solvent systems
- Established structure of reagent storage through electrophile and nucleophile separation

LEADERSHIP & INVOLVEMENT

Secretary, Cal Poly Chapter of American Chemical Society

June 20xx-May 20xx

- Organized club socials, kept meeting minutes, and sent out club emails

Week of Welcome Orientation Leader - Cal Poly

April 20xx-September 20xx

- Led multiple groups of 20-30 incoming Cal Poly freshmen in 2-day long sessions to help them gain familiarity with Cal Poly's programs and resources

OTHER WORK EXPERIENCE

Chemistry & Mathematics Tutor, Self-Employed (10 hours per week)

September 20xx-May 20xx