

Weston Preising

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EDUCATION

University of San Diego (USD), San Diego, CA

Bachelor of Arts in Biochemistry, Honors Program

Expected Graduation: May 2017

Cumulative GPA: 3.76

Relevant Coursework:

Genetics, Molecular Techniques/Lab, Disparities in Healthcare, Physical Chemistry II, Analytical Chemistry/Lab, Electricity & Magnetism/Lab, Mechanics & Motion/Lab, Biochemistry I & II/Lab, Inorganic Chemistry

LABORATORY SKILLS

- multi-step organic synthesis; chromatography, extraction, recrystallization, distillation, and characterization by NMR, GC/MS, HPLC, and IR; quantitative chemical analysis
- Competent in biochemistry and molecular biology techniques including bacterial cultures, buffers & media preparation, gel electrophoresis, plasmid cloning & subcloning, restriction digests, PCR (amplification, primer design, adding RE sites), site-directed mutagenesis, DNA purification & quantification, enzyme & protein assays, protein purification & expression
- Experienced in SOP design, implementation, editing and training

ADDITIONAL SKILLS

- Intermediate Spanish
- Skilled in ChemDraw, Felix NMR, MestreNova, TestRail, JIRA, Agile Development, PyMOL

RELEVANT EXPERIENCE

Trauma Intern, Scripps Mercy Hospital, September 2016 – Present

San Diego, CA

- Shadowed trauma team consisting of nurses, NP's, PA's, & MD's during live trauma evaluation and treatment, including emergency surgeries

Undergraduate Research Assistant, January 2016 - Present

USD

- Analyzed 2-D NMR spectra (2D NOESY & 2D COSY) to determine the structure of synthetic DNA containing non-natural nucleosides (d5SICS-dNaM pair)
- Performed chemical shift assignments for a novel DNA duplex containing d5SICS-dNaM pair

QA Intern, Suitable Tech Inc., 2015 - Present (Seasonal)

Palo Alto, CA

- Created detailed test plans for functional and regression testing on client and cloud software for telepresence robot
- Interfaced with sales and engineering to assimilate specific functional requirements and enhance UI of product
- Met weekly with software team to present and resolve bugs and/or UI, UX software issues
- Developed plan for HIPAA compliance and FDA Medical Device registration for healthcare telepresence product

Surgical Volunteer, COAN Health, July 2014

León, Nicaragua

- Supported surgery team for 52 hours in HEODRA Teaching Hospital operating room and local orphanage of Leon
- Coordinated a sports drive, donating over 200 shoes, numerous soccer goals and equipment to local orphanage

IT Intern, Suitable Tech Inc., 2013 - 2014 (Summer)

Palo Alto, CA

- Catalogued basic system, network, software and hardware information through command-line interfaces
- Assisted in physical architecture design and installation of WLAN, enterprise intranet, and data cloud networks

Production Intern, Suitable Tech Inc., 2011 - 2013 (Seasonal)

Palo Alto, CA

- Demonstrated strong attention to detail & accuracy in fast paced telepresence robotics assembly line

LEADERSHIP EXPERIENCE

Historian, Phi Gamma Delta Fraternity

August 2015 – May 2016

- Facilitated brotherhood relationships and led mentorship through pledge education
- Oversaw large-scale events, such as Purple Tie Philanthropy, raising \$5000 for Rady Children's Hospital

Player, USD Club Lacrosse

August 2015 – May 2016

VP of Communications, USD Interfraternity Council

January 2015 – December 2015

- Launched mandatory sexual assault education program for Greek Life Community, partnering with USD Women's and Student Health centers to increase awareness and prevention across campus
- Revitalized media, publicity, public & organization relations, and Greek Life community image