

Kevin Wyllie
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6910 SW 168th Place
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Education

Loyola Marymount University – Los Angeles, California
Senior in the Frank R. Seaver College of Science and Engineering
Major: Biochemistry
GPA: 3.81

Relevant Coursework

General Chemistry (with lab), Organic Chemistry (with lab), Biochemistry (with lab), Analytical Chemistry, Physical Chemistry, General Biology (with lab), Phage Discovery Lab, Cell Function, Genetics, Physiology of Disease, Microbiology, (with lab), Psychology, General Physics (with lab), General Calculus, Calculus for Life Sciences, Biomedical Ethics,

Research Experience

1. Dahlquist Lab - Fall 2014 to present
Investigating transcription factors involved in the response to cold shock in *Saccharomyces cerevisiae*, by way of DNA microarray technology.
2. Fall 2012 and Spring 2014
Participation with research team in the Phage Discovery Lab at Loyola Marymount University (LMU) sponsored by the Howard Hughes Medical Institute (HHMI). This was a one-year program at LMU for a select group of freshmen, part of a larger national consortium to isolate and characterize new bacteriophages.
 - Fall 2012 semester work included collecting soil samples from a variety of environmental sources. A bacteriophage was isolated from these samples, purified, and amplified in the laboratory; examined by electron and atomic force microscopes. Phage genomic DNA was purified and characterized by restriction enzyme analysis and sent to a sequencing center to be decoded.
 - In the Spring 2013 semester, upon receiving finished genome sequences, the genome was annotated. This included determining each gene's position in the genome, length and function, using several bioinformatics programs such as DNAMaster, Phamerator, BLAST and HHpred.
 - Poster presentation at LMU Research Symposium on March 23, 2013; eventual publication of work by professor.

Work Experience

- Lab TA for General Chemistry – Fall 2015
- Teacher's Assistant for Dr. Kam D. Dahlquist, Cell Function biology course
Loyola Marymount University, Seaver School of Science & Engineering
August 2014 – December 2014
Duties include grading assignments and holding guided study sessions for current students
- Circulation Desk Assistant
Loyola Marymount University, Library
June 2014 – August 2014
Library media check in and checkout; patron communication; clerical duties
- Omikron Law Office – Paralegal's Assistant
Lake Oswego, Oregon
July 2011 – August 2012
Electronically managed transmittal of patent documents between paralegal and clients.

Community Service

Ignatians Service Organization – Spring 2014 to present

Approximately 75 hours of community service, primarily at Playa Del Rey Rehabilitation Center, but also including Central Juvenile Hall, 186th St. Elementary School, Guadalupe Homeless Project, Amanda Foundation Animal Shelter and beach cleanup.

Math tutor for Algebra Academy at International School of Beaverton – Summer 2013

Assisted incoming high school freshmen in preparing for high school-level math courses, twice weekly, for eight weeks.

Mentor for Portland Community College's Early College High School – 2011-2012

Mentored incoming and prospective students in PCC's Early College High School program: hosted weekly college survival help sessions, spoke at open-house events, assisted students with course registration, etc.

Honors/Clubs/Activities

- Dean's List, LMU – Fall 2012 to present
- LMU Ignatians Service Organization – Member since February 2014
- LMU College Democrats, Secretary – 2013/2014
- LMU Chemistry Society Club, Member since February 2013