

Lucas Waldburger

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EDUCATION

UC BERKELEY

BA IN MOLECULAR & CELL BIOLOGY
Expected May 2018 | Berkeley, CA
College of Chemistry Dean's List
MCB Honors Program

SANTA BARBARA CITY COLLEGE

Grad. May 2016 | Santa Barbara, CA
Honors Program President
Honors Certificate Recipient
President of Chemistry Club
Invited Conference Moderator and Host

COURSEWORK

Plant Biology
Animal Biology
Cell Biology
Molecular Biology
Frontiers in Microbial Systems Biology
General Genetics
Genetic Design Automation
Genetic Devices
Metabolic Engineering
Organic Chemistry I & II
Biophysical Chemistry I & II
Chemical Biology
Engineering Physics I, II, & III
Multivariable Calculus
Linear Algebra
Differential Equations
Biostatistics

SKILLS

PROGRAMMING

Over 10,000 lines:
Java • C++ • Python
Matlab • \LaTeX • MS Excel
Over 5,000 lines:
Javascript • CSS • HTML
Maple • R • MS Access

LANGUAGES

English: Native Proficiency
Spanish: Native Proficiency
French: Limited Working Proficiency

PROJECTS

BioCAD Assignment Validator
CRISPR Assembly Tool
Python Wet Lab Curriculum
Video Lectures for Biophysical Chemistry
MATLAB Applet for Cell Biology Lab

ORGANIZATIONS

American Institute of Chemical Engineers
American Chemical Society
UCSB/Cal Triathlon Club
Cal Sailing Club

FOCUS

I hope to develop my research and technical writing skills. In particular, I am interested in systems and synthetic biology in application to developing biocircuits and novel cell therapeutics that precisely sense and disable targeted diseases.

EXPERIENCE

BIOPHYSICAL CHEMISTRY TEACHING ASSISTANT | UC BERKELEY

January 2017 – Present | Berkeley, CA

ORGANIZING COMMITTEE MEMBER | NORCAL COMPUTATIONAL BIOLOGY

January 2017 – Present | Berkeley, CA

SUMMER RESEARCH ASSISTANT | CHAN ZUCKERBERG BIOHUB

June 2017 – August 2017 | San Francisco, CA

MEDICAL ASSISTANT | BERKELEY FREE CLINIC

May 2016 – August 2016 | Berkeley, CA

LABORATORY TECHNICIAN | ATMOSPHERIC ANALYSIS AND CONSULTING, INC.

May 2015 – August 2015 | Ventura, CA

JACK KENT COOKE BRIDGES PARTICIPANT | UC SANTA BARBARA

June 2014 | Santa Barbara, CA

PROJECT ACCESO PARTICIPANT | CSU CHANNEL ISLANDS

June 2014 - July 2014 | Camarillo, CA

CALCULUS TUTOR | SANTA BARBARA CITY COLLEGE

May 2014 – August 2014 | Santa Barbara, CA

NOTE TAKER | SANTA BARBARA CITY COLLEGE DISABLED STUDENTS PROGRAM

August 2013 – May 2014 | Santa Barbara, CA

RESEARCH

SAVAGE LAB & DOUDNA LAB | UC BERKELEY INNOVATIVE GENOMICS INSTITUTE

October 2017 – Present | Berkeley, CA

DUEBER LAB | UC BERKELEY DEPARTMENT OF BIOENGINEERING

January 2017 – Present | Berkeley, CA

EL-SAMAD LAB | UCSF CENTER FOR SYSTEMS AND SYNTHETIC BIOLOGY

January 2017 – Present | San Francisco, CA

LI LAB | UCSF CENTER FOR SYSTEMS AND SYNTHETIC BIOLOGY

September 2016 – February 2017 | San Francisco, CA

AWARDS

2017	Best CRISPR Assembly Software	Department of Bioengineering
2017	Summer Research Fellow	College of Chemistry
2017	Chevron Scholarship	Chevron Corporation
2017	Zachary Cruz Memorial Scholarship	Zachary Michael Cruz Foundation
2016	Dow-MIT Access Program	MIT
2016	Student Support Services Scholarship	UC Berkeley
2016	STEM Scholarship	National Science Foundation
2016	William Olivarius Scholarship	Biological Sciences Department
2015	Dr. Ronald Shlensky Memorial Scholarship	Santa Barbara City College
2015	Adopt-A-Student Scholarship	Santa Barbara City College
2015	James Selleck Bower Scholarship	Santa Barbara City College
2014	Sarah Gregory Memorial Scholarship	Santa Barbara City College
2014	Morris and Irma Jurkowitz Award	Santa Barbara City College
2014	Laurie Converse Scholarship	Santa Barbara City College