

OWEN DOYLE

University of California, Berkeley



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OAKLAND, CA

ACADEMICS

BIOENGINEERING—COLLEGE COURSEWORK

College Courses Completed

- Introduction to Biomedicine for Engineers
- Introduction to Bioengineering
- The Structure and Interpretation of Computer Programs
- Reading and Composition
- Multivariable Calculus
- Linear Algebra

Spring 2020 Courses (Enrolled)

- Linear Algebra and Differential Equations
- Physics for Scientists and Engineers
- General Chemistry
- General Chemistry Laboratory
- Careers in Biotechnology

RESEARCH EXPERIENCE

SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE

Lab Internship, La Jolla, CA: March 2018 – August 2018

Research intern for Powis Laboratory, studying pancreatic tumor growth in hypoxia, and metabolic crosstalk between cancer cells and stroma. Position highlights:

- Maintained cell lines
- Prepared reagents
- Ran drug assays
- Assisted with mouse tumor extraction
- Tissue staining
- Sterilized equipment
- Organized inventory
- Presented on role of fluorescence in cell identification at fundraising open house
- Conducted independent tests on optimal puromycin concentrations for pancreatic & breast cancer cells

SERVICE HIGHLIGHTS

AMIGOS DE LAS AMÉRICAS

International Spanish-Immersion Service Organization

Senior Staff – San Diego Chapter | 2018 - 2019

- Lead Training Staff, work with Chapter Directors on event logistics, and present in English and Spanish to recruit volunteers.

Training Staff – San Diego Chapter | 2017 – 2018

- Mentor and train summer volunteers to prepare them for successful service projects in Central and South America.

Volunteer | Pérez Zeledón, Costa Rica | 2016 – 2017; In Country Summer 2017

Conservation and biodiversity focus. Full Spanish-immersion.

- Developed and delivered environmental conservation curriculum to elementary school students; Assisted community members with improvements at local church.
- Worked alongside park rangers and local youth at the Parque Internacional La Amistad National Park, Estación Biológica Altamira, on conservation projects.

COLLEGE

UC Berkeley — Class of 2023

College of Engineering

Bioengineering Major

Junior Standing

GPA: 3.9

CLUBS

Engineers Without Borders

Designed AutoCAD drawings for documentation of the club's water distribution system constructed in Panama

Biomedical Engineering Society

Professional, academic, and social community of bioengineers on campus

SKILLS

Programming Languages (Introductory)

Python
Scheme
SQL

Programs

AutoCAD
Google Suite
Microsoft Office

LEADERSHIP

Highschool

National Honor Society Officer 2018-19
National Honor Society Tutor 2017-19
Freshman Mentor 2017-18

Amigos de las Américas

Senior Staff 2018-19
Training Staff 2017-18

Athletics

2x Highschool Soccer Captain
3x LA Galaxy San Diego Soccer Captain

LANGUAGES

ENGLISH (native) | SPANISH (advanced)

HOBBIES

Soccer, Piano, Guitar, Surfing