

Victoria Yang

CONTACT



Email

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SKILLS

- **Laboratory techniques**
(DNA extraction, PCR, epifluorescence microscopy, cell culturing, gel electrophoresis)
- **Sustainability analysis**
(Life cycle analysis)
- **Programming**
(Data analysis in R and Matlab, basic knowledge in C++ and Python)

INTERESTS

- **Microbiology**
- **Materials Science**
- **Biotechnology**

OBJECTIVE

To address environmental issues by leveraging my passion in microbiology

EDUCATION

University of California, Santa Barbara

09/19-present

- Senior | GPA: 3.91
- Microbiology and Environmental Studies, B.S. double major
- Expected graduation date: June 2023

EXPERIENCE

Santoro Lab

06/22-present

University of California, Santa Barbara

- Project objective: to isolate and identify PHB-degrading microorganisms by whole genome sequencing
 - Cultured and cryopreserved PHB-degrading microorganisms from marine and lagoon ecosystems
 - Performed DNA extraction, PCR, and gel electrophoresis to identify isolated PHB-degraders
- Conducted sample filtration, DAPI staining, and epifluorescence microscopy to study the microbial attenuation of sinking organic matter

Sustainability Analyst Intern

10/21-03/22

Voiz Reviews

- Independently conducted interviews and online research to analyze the sustainability of products and companies
- Collaborated with a team to synthesize research findings and write sustainability reviews

Poon Lab

06/18-07/18

Stanford University

- Utilized Python code to analyze signals in a study on human sleep patterns
- Worked with a chemistry postdoctoral researcher to create chemical sensors in the human body

RELEVANT COURSEWORK

- MCDB 131, 131L: General microbiology with lab
- EEMB 144: Marine microbiology
- MCDB 101A-B, 108A-C: Biochemistry and genetics
- CHEM 109A-C, 6AL: Organic chemistry with lab
- MCDB 1A-B, 1LL; EEMB 2-3, 2LL: General biology with labs
- ENVS 1-3, 30, 120A, 130C, 149, 154, 155: Environmental studies
- EEMB 146, ENVS 193DS, MCDB 108C: R and Matlab