

Anatori Serena A. Prieto

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Education	University of California, Berkeley <ul style="list-style-type: none">Major: Bioengineering with a concentration in Synthetic BiologyCurrent GPA: 3.526Expected graduation: May 2022Current classes: Engineering Molecules, Principles of Drug Delivery, Intro to Computational Biology, Macromolecular Synthesis and Cellular Function	May 2018 – Present
Work Experience	Strain Engineering Intern Huue, Oakland Genomics Center <ul style="list-style-type: none">Researches on the development and improvement of synthetic indigo alternative, indicanGenetically modifies base strain to enhance titer and increase cost-efficiencyDefined an assay to screen strain in the 96-well format for higher throughputAnalyzed and presented data on indican and tryptophan titer of experiments via HPLCOperated with a DASGIP Parallel Bioreactor SystemTechniques: HPLC, diagnostic gel, fermentation, electroporation	May 2020 – Present
	Undergraduate Researcher Joint Bioenergy Institute, Lawrence Berkeley Lab, Emeryville <ul style="list-style-type: none">Assistant to Dr. Ankita Kothari with a focus on environmental microbiologyResearched on ecogenomics of groundwater viruses in metal-contaminated areasCreated scripts to process genetic dataTechniques: Genetic transformation, plasmid extraction (Miniprep), nanodrop, NCBI Blast+, Biopython	May 2019 – Dec 2019
	Undergraduate Researcher Terry Lab, Koshland Hall, UC Berkeley <ul style="list-style-type: none">Assistant to Prof. Katherine French with a focus on bioremediation methodsShadowed graduate students in discerning methods of petroleum breakdownTechniques: PCR/gel electrophoresis, media prep, GCMS, spectrophotometry, genetic modification (Gibson Assembly), microscopy, laboratory safety	Sept 2018 – May 2019
	Medical Assistant Medical Mission, Makati Medical Center <ul style="list-style-type: none">Distributed medicines, interacted with patients, observed operations, facilitated check-ups, and reported basic patient information in underserved or isolated areas	Aug 2016 – May 2018
Extracurriculars	Biomedical Engineering Society UC Berkeley <ul style="list-style-type: none">Arranges events for undergraduates interested in bioengineering research using Microsoft Suite applications and various social media platforms as a member of Corporate CommitteeConnects and collaborates with bioengineering professionalsGained leadership, communication, and interpersonal skills	Sept 2018 - Current
	Pilipinx Association of Scientists, Architects, and Engineers UC Berkeley <ul style="list-style-type: none">Acts as an academic liaison as the Life Sciences RepresentativeBuilds connections with Pilipinx engineers and alumniConstructs resources such as panels and info-sessions accessible to underrepresented individuals, especially in the Pilipinx community	Sept 2018 - Current
Awards	Dupont 2020 Summer Internship Position <ul style="list-style-type: none">Chosen as an intern at the DuPont Nutrition & Biosciences Palo Alto R&D Center for large-scale fermentation development, which was canceled due to COVID-19	
Skills	Computer Programming <ul style="list-style-type: none">HTML, Python, R, SQL	