

Samuel Barrow

UC Berkeley Chemical Engineering Senior and soon to be Full Stack Coding Bootcamp Graduate looking to start a career in web development

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EXPERIENCE

Dr. Judith Klinman lab, UC Berkeley — Undergraduate Biophysical Chemistry Researcher

September 2018 - Present

Research lab at UC Berkeley. Lab responsibilities include primer design, PCR, cell culturing, DNA purification, cell transformation, protein expression, protein purification, and quantifying enzyme kinetics via the Michaelis-Menten model.

Correlia Biosystems, Berkeley, CA — Chemistry Research Intern

June 2019 - August 2019

UC Berkeley affiliated microfluidics, biotechnology startup company. Presented weekly at company meetings and optimized the acrylamide gel percentage of microfluidic channels to better the lower limit of detection for protein targets of interest.

Choices Scrubs and Footwear, Bellingham, WA — Manager

September 2016 - January 2018

Managed a family-owned small business along with my older brother. Responsibilities included opening and closing the store, providing customer service daily, running end of the month sales analyses, and brainstorming new marketing strategies.

EDUCATION

UC Berkeley, Berkeley, CA — Chemical Engineering

August 2018 - Present

UC Berkeley Extension, Berkeley, CA — Full Stack Web Development Coding Bootcamp

June 2020 - Present

SKILLS

Full stack web development

Biophysical chemistry (golden gate assembly)

Analytical chemistry

Teamwork and project management

Extracurriculars

American Institute of Chemical Engineers (AIChE)
UC Berkeley Student Chapter

International Society of Pharmaceutical Engineering (ISPE) UC Berkeley Student Chapter

Chemical Engineering Consulting (Chec) UC Berkeley Student Organization

Programming Languages

Python

Java

Javascript

MATLAB

html

CSS

