

# SYDNEY GREENO

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🌐 [sydney-greeno](https://sydney-greeno.com)

🐙 [sydneygreeno](https://sydneygreeno.github.io)

## EDUCATION

University of California, Berkeley

08/2021 - 05/2024

*Computer Science - B.A.*

*Berkeley, CA*

Organizations: CS Kickstart, AWE (Association of Women in Engineering)

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- Full Stack Development
- Software Engineering
- Hardware Solutions
- Data Visualization
- UI/UX Design

## PROJECTS

Estimated Cell Ancestry [↗](#) | R, PCA, t-SNE, Infomap

08 2022

- Applied Admixture, PCA, t-SNE, and Infomap to publicly available SNP data downloaded from the following sources: COSMIC, CCLE, and 1000 Genomes. **Used by Moffitt Cancer Center and Ponce Health Sciences University to measure ancestry in relation to cancer cells.**
- [ecla.moffitt.org](https://ecla.moffitt.org)

Self Sustaining Watering System [↗](#) | Arduino, C

05 2022

- Developed a software and hardware solution that waters my succulents using a sensor. **Used in combination with open source projects.**

Personal Website [↗](#) | HTML/CSS, JavaScript

06 2022-present

- Personal website that showcases different skills. **Gained Full Stack Development experience.**
- [sydneygreeno.github.io](https://sydneygreeno.github.io)

Autocorrected Typing Software [↗](#) | Python

10 2021

- Wrote a program that measures typing speed while implementing a real-time auto correct. **Measures WPM, accuracy and time.**

## PROFESSIONAL EXPERIENCE

Moffitt Cancer Center

05 2022 – 08 2022

*Data Science Intern*

*Tampa, Florida*

- Received a stipend to assist in estimated cell ancestry research. Used PCA, t-SNE, and UMAP as models for a new system implemented with R. **Developed a new cell line modelling system using R.**

Liu Lab, UC Berkeley

01 2022 – 05 2022

*Scientific Illustrator*

*Berkeley, California*

- Hired by the Fish and More lab run by Dr. Juan Liu to create various scientific drawings and models for her publications. **Used 3D Slicer, SlicerMorph and coded my own Slicer python modules to assist in file keeping and better visualization.**

## TECHNICAL SKILLS

**Languages:** Python, R, MATLAB, Java, C, HTML/CSS, SQL, JavaScript, ReGex, Scheme

**Developer Tools:** VS Code, Arduino IDE, Figma, Github Desktop

**Technologies/Frameworks:** GitHub, Git, Angular, React.JS

## EXTRACURRICULAR

Freelance Painter [↗](#)

2017 – present

*Portfolio found at: [syd\\_ney\\_art\\_ist](#) on Instagram*

- Created large-scale paintings for numerous clients. Featured in various galleries and received judge awards.
- Specialty in acrylic and oil painting.

## VOLUNTEERING

Disabled Students Program

01 2022 – 05 2022

*Multi-variable Calculus Notetaker*

*Berkeley, California*

- Took detailed notes each lecture and uploaded them 3 times a week for students with disabilities.

150 Years of Women at Berkeley

09 2021 – 01 2022

*URAP Researcher*

*Berkeley, California*

- Wrote a published historical paper highlighting the first women to receive PhD's in botany.