

Melissa Terry

Santa Barbara, CA

(805) 698-6349

mkterry@ucsb.edu

<https://linkedin.com/in/melissakayeterry/>

<https://github.com/mkayeterry>

As a recent graduate rooted in biochemistry, I focused my coursework on computational biology and programming. Alongside this, previous customer-facing positions have equipped me with strong interpersonal skills and a knack for problem-solving. Now, I'm excited to apply both my technical experience and interpersonal skills to new opportunities.

EDUCATION

- **University of California, Santa Barbara**
 - *Bachelor of Science in Biochemistry-Molecular Biology, Aug. 2023*
-

WORK EXPERIENCE

Plumarea Imaging LLC, Santa Barbara, CA

Software Developer - Contractor, Jan 2024 - present

- Developed a Python Flask app for real-time video streaming from a Raspberry Pi for portable methane detection.
- Reduced latency from 5 seconds to less than 1 second by eliminating excess video encoding, using FFmpeg to send encoded frames to a named pipe, and enabling OpenCV to read each frame in real-time.
- Utilized JavaScript to enable video display on mobile devices.

Nomad Goods, Santa Barbara, CA

Logistics Specialist, Jul 2018 - Dec 2019

- Managed daily operations, processing ~400 shipments per day using ShipStation.
- Coordinated a team of 5, training and delegating tasks for efficient order processing and accurate shipments.
- Implemented order prioritization by date and quality control measures to minimize errors.

Santa Barbara Gymnastics Club LLC, Santa Barbara, CA

Camp Manager/Instructor, Nov 2014 - Dec 2016

- Led engaging gymnastics classes for 15 children per class, fostering a safe learning environment.
 - Efficiently managed payment tracking for ~100 client accounts using Excel, ensuring accurate records.
 - Coordinated staff schedules and organized group rotations to efficiently manage class attendance.
-

SKILLS

- | | | | | |
|-------------|----------|-----------------|----------------------|-------|
| • Python | • MATLAB | • SQL | • JavaScript | • AWS |
| • Linux/CLI | • Git | • Data Analysis | • Data Visualization | |
-

PROJECTS

USDA Food Data Central Processing, <https://github.com/mkayeterry/usda-fdc-data>

- Developed a data processing pipeline using Python to download, clean, and supplement USDA Food Data Central datasets. Applied data cleaning, merging, and aggregation techniques, and performed calculations to normalize nutritional information, producing a consolidated, deduplicated dataset.

recipe-urls, <https://github.com/mkayeterry/recipe-urls>

- Author and maintainer of a Python web scraping package that recognizes recipe links from over 100 different websites. Utilized class-based abstraction to ensure a flexible and scalable architecture, and conducted comprehensive parameterized unit testing.