

# ELLIOT BERDY

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

Los Angeles, CA

**Bachelor of Science:** Computer Science; Computational Genomics Technical Breadth

June 2023

**Cumulative GPA/Awards:** 3.63; Dean's Honors List (Spring 2020, Fall 2021, Spring 2022)

**Relevant Coursework:** Machine Learning, Neural Networks and Deep Learning, Artificial Intelligence, Natural Language Processing, Neural Signal Processing, Software Engineering, Data Structures and Algorithms, Algorithms and Complexity

## SKILLS

**Technical Skills:** Python, C++, Tensorflow, Pytorch, Git, Linux, Postgres, JS, Docker, GCP, C, HTML, CSS, Node.js, React

**Other Skills/Interests:** Leadership, Communication, Teamwork; Proficient in Hebrew; Triathlon, Surfing, Piano, Basketball

## PERSONAL PROJECTS

### MyFood: [github.com/elliottberdy/myfood](https://github.com/elliottberdy/myfood)

Independently developed full stack web application that tracks a user's dietary habits and physical state to find trends between food consumption and physical well being - HTML, CSS, JavaScript, Node.js, Postgres, etc.

## PROFESSIONAL EXPERIENCE

### UCLA Neurosurgery

Los Angeles, CA

Student Researcher

Nov 2021 – Nov 2022

- Independently developed image classifier using Python and TensorFlow to determine MRI modality in mixed dataset of brain and spine MRIs with accuracy of 98.9%
- Manually segmented paraspinal muscles in lumbar MRIs in collaboration with team of researchers and neurosurgeons to train machine learning algorithms to assess degeneration and muscle integrity of paraspinal muscles
- Published papers to World Neurosurgery and SPIE Medical Imaging

### AbbVie Inc.

Remote

Research Analyst

Aug 2020 – Dec 2020

- Analyzed real-world data as a member of the Health Economics and Outcomes Research Oncology department
- Built 5 dashboards exhibiting patients baseline info and healthcare costs and utilizations for various diseases and treatments using Python and the Instant Health Data platform

### Camp Stone

Sugar Grove, PA

Outdoor Leadership Program Director (2022-23); Division Head/Medic (2021) Counselor (2018-2020) Jun 2018 – Aug 2023

- Designed and facilitated month-long outdoor focused program for 80 incoming 10th grade students designed to help students grow and become leaders in their communities
- Mentored and lead 12 post-high school staff members in conflict resolution, program implementation, and problem solving
- Served as the head medic during program activities, providing medical care and first aid for a wide range of conditions, from blisters to broken bones, ensuring the safety and well-being of participants during outdoor excursions

### PRN

Los Angeles, CA

EMT

Jan 2022 – Mar 2022

- Cared for patients while transporting via ambulance and administered medical treatment en route to/from hospitals
- Communicated with medical professionals, patients, and patients' families to obtain medical histories and identify treatments based on symptoms

## ACTIVITIES

### Hillel at UCLA

Los Angeles, CA

President (2022-23); Freshman Engagement Director (2021-22); Engagement Intern (2020-2021)

Sep 2020 – June 2023

- Oversaw planning and implementation of daily Jewish programming that impacted 1000+ students on campus
- Managed board of 15 undergraduate students and served as liaison between Executive Board of Directors, staff, and students
- Problem solved large-scale political, religious, and social issues in the community and how to address them