

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

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