

# ELLIOT BERDY

San Francisco, CA | (949) 413-9881 | berdyelliott@gmail.com | linkedin.com/in/elliott-berdy | www.elliottberdy.com

*Passionate UCLA Computer Science graduate with a dedication to aligning with company mission and product. A quick and self-motivated learner, I thrive on challenges and am driven to continually learn and grow. Proven track record of delivering creative solutions, fostering collaboration across diverse teams, and successfully leading projects from concept to completion.*

## Experience

### Software Engineer

*Fayble Inc., August 2023 - Present*

- Developing sole means for user-product interaction through interactive voice response (IVR) interface using AWS and Python, enabling users to engage in an interactive and dynamic experience
- Ensuring project alignment with requirements of product and company through close collaboration with fellow engineers
- Optimized storage and retrieval of user-related data by configuring DynamoDB as persistence layer, allowing for personalized experience
- Enabled IVR interface to adapt to changing game scenarios by implementing dynamic entities to support varied and evolving voice response options
- Designed and implemented user-product interaction flow by creating specialized handlers for product specific actions, including starting the game, making wagers, analyzing past wagers, and managing game states, creating a user friendly and engaging experience
- Enhanced product's resilience and facilitated efficient issue resolution through implementing robust logging mechanisms

### Student Researcher

*UCLA Neurosurgery, November 2021 - November 2023*

- Developed MRI modality image classifier with Python and Tensorflow, achieving a 98.9% accuracy by leveraging transfer learning with five state-of-the-art deep learning models
- Enabled training of machine learning algorithms to assess and quantify paraspinal muscle degeneration by collaborating with multidisciplinary team of researchers and neurosurgeons to manually segment paraspinal muscles in lumbar MRIs
- Contributed to writing and publishing multiple research papers in prestigious journals, including World Neurosurgery and SPIE Medical Imaging

### AbbVie Inc.

*Research Analyst, August 2020 - December 2020*

- Helped derive meaningful insights in oncological research by producing five dynamic dashboards utilizing Python and the Health Data Platform, showcasing essential patient baseline information and healthcare costs and utilization patterns across diverse diseases and treatment modalities
- Contributed to the advancement of equitable healthcare practices at AbbVie by utilizing SAS and national databases to measure and analyze diversity within AbbVie's clinical trials

### Camp Stone

*Outdoor Leadership Program Director ('22-'23); Division Head ('21); Medic; Counselor ('18-'20), June 2018 - August 2023*

- Facilitated growth of 80 10th grade students as individuals and leaders in their communities by designing and running month-long outdoor leadership program with weeklong hiking and canoeing trips and experiential education focused on community and the power of speech
- Responsible for the health and safety of 90+ campers and staff members and mentored 12 post-high school staff members in conflict resolution, program implementation, and problem solving

## Education

### Bachelors of Science, 2023

*University of California, Los Angeles (UCLA)*

**GPA/Honors:** 3.63; Dean's Honor List (Spring 2020, Fall 2021, Spring 2022), President of Hillel at UCLA

**Technical Breadth:** Computational Genomics

**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

Python, C++, Git, Linux, HTML/CSS, React, Tensorflow, Pytorch, Postgres, JavaScript, Docker, GCP, AWS, C, Node.js, Leadership, Communication, Teamwork; Proficient in Hebrew