YONATAN PAZ-PRIEL

Github | (415) 360-4230 | yonatanpazpriel@berkeley.edu

EDUCATION

University of California, Berkeley   **Aug 2023 – Present**
B.S., Electrical Engineering & Computer Science   *GPA: 3.9*
- Leadership Award, UCB Alumni Association (for registering 1000 local voters).
- Craig Scholar (for dedication to College of Engineering and Jewish campus community).
- Relevant Coursework: Data Structures and Algorithms, Data Science, Intro to Python, Intro to Java, Statistics, Linear Algebra, Electrical Engineering Design.

SKILLS

- **Programming Skills:** Python, Java, NLTK, SQL, Scheme, pytorch, scikit-learn, pandas, Docker, Sparql, circuit design, wikidata, textract.

RESEARCH

Professor Eos Trinidad, UC Berkeley School of Education   **Sep 2024 – Present**
NLP Research Assistant
- Conduct topic modeling with BERT and sentiment analysis on >100,000 PDF comments submitted to CA Dept. of Education with NLTK and use named entity recognition to extract metadata. Publication forthcoming.
- Developed methodology to identify similar comments and group topics.

Dr. Matthew Ong, UC Berkeley Computational Linguistics   **May – Sep 2024**
ML Research Assistant
- Developed machine learning pipeline for annotating images of 6,000 ancient cuneiform tablets using custom language model. Publication forthcoming.
- Customized open-source model (BabyLemmatizer) for cuneiform in a different language.
- Expanded dataset by 7% by incorporating new linguistic metadata features, and built a custom Wikibase by converting CSV files into RDF claims.

U.S. Dept. of Health and Human Services, UC Berkeley Data Science **Jan – May 2024**
NLP Research Assistant
- Conducted topic modeling and sentiment analysis with NLTK and scikit-learn.
- Analyzed >2,000 reports on services offered to people with disabilities.
- Detected regional sentiment shifts that informed policy decisions. Quantified statistical relationships between funding, staff-to-consumer ratio, and sentiment.

EXTRACURRICULARS

California Interfaith Association   **Jan 2024 – Present**
President/Founder
- Founded organization that hosts faculty speakers and community events for students of diverse religious and cultural backgrounds to promote empathy, inclusion, and learning.

California Mock Trial (CMT)   **Sep 2023 – Present**
Team Captain (10 person team); A-Team Attorney.
- Earned best individual competitor out of 250 and placed first of 32 teams at UC Irvine Invitational as one of the first ever freshmen to be a closing attorney on B Team (of A-D).