

EDUCATION

- ▲ COMPUTER SCIENCE MSc (S21), PhD (IP) at **University of California, Los Angeles** | SEPT. 2018 - JUNE 2023
 - ▼ • GPA: **4.0**, Research in eHealth and machine learning with Drs. M. Sarrafzadeh (eHealth Research Lab) and A. Bui (Medical & Imaging Informatics Group).
 - ml nlp web information management automated reasoning
- ▲ COMPUTER SCIENCE BSc at **University of California, Santa Barbara** | SEPT. 2014 - JUNE 2018
 - ▼ • GPA: **3.93/4.0, Ranked #1** in graduating class.
 - College of Engineering Honors Program, with Distinction in Major.

WORK EXPERIENCE

- PHD, DATA SCIENCE INTERN at **Microsoft, Remote** JUNE 2021 - SEPT. 2021
 - Best In-House Image DNN:** Developed a semi-novel knowledge distillation technique for deep neural networks (DNN) in a multi-teacher setting to produce universal image embeddings that will generalize well across tasks and boost performance beyond the teachers.
 - Researched and implemented methods to save memory and speed up training, allowing us to increase the batch-size from 2 to 64 for 2 teachers resulting in roughly a 3x speedup.
 - Wrote end-to-end executable code that unifies the data preprocessing and model loading pipeline across various tasks such that it can be easily extended to different datasets/teachers.
 - python tensorflow keras
- PHD, MACHINE LEARNING INTERN at **Pinterest Labs, Remote** JUNE 2020 - SEPT. 2020
 - Query Recommendations:** Built a gradient boosted decision tree to improve query recommendations to improve user engagement and experience.
 - 156k increase in daily searches (3.09%), and sustained lift in product usage past week 1 of the experiment. Ran A/B testing experiments to measure product impact.
 - Worked on the end-to-end machine learning pipeline (collect training data, assign labels, create features, train, evaluate, and deploy), and built workflow for grid search / hyperparameter tuning.
 - python java scala hadoop sql
- SOFTWARE ENGINEER INTERN at **Pinterest, San Francisco, CA** JUNE 2017 - SEPT. 2017
 - **New Annotations Pipeline:** Worked on a Machine Learning and Natural Language Processing-focused team. Built and optimized core components for Annotations (a powerful textual learning signal used across Pinterest), such as: underlying dictionary of terms and their canonical forms.
 - python java scala scalding spark

ACTIVITIES AND AWARDS

- **Scientific Python Community Manager** 2022 - PRESENT Help moderate the Discord and the Discuss forum online of the Scientific Python community.
- **KUH-ART Trainee** 2021 - PRESENT NIH Fellowship to conduct research in the areas relevant to benign nephrology, urology, and hematology. The program emphasizes leadership and networking.
- **Podcast Treasurer + Content Advisor** 2020 - PRESENT Managing funds and helping create content (e.g., social media, writing and narrating episodes) for For Your Informatics, a podcast exploring medical informatics led by Women in AMIA (American Medical Informatics Association).
- **Phi Sigma Rho Chapter Founder** SPRING 2016 - SPRING 2018 Established the chapter of Phi Sigma Rho, a nationally recognized sorority focused on women in STEM, at UCSB as part of the founding class. In charge of designs, and involved in planning events, writing bylaws, recruiting, and mentorship.