Davina ZAMANZADEH

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EDUCATION

University of California, Los Angeles

PhD (IP) - COMPUTER SCIENCE   GPA: **4.0/4.0**   SEPT 2018 - PRESENT
- Research in **eHealth and Machine Learnin**g (ML) with Dr. Majid Sarrafzadeh
- *Relevant coursework:* ML, ML Theory, Probabilistic Graphical Models, Automated Reasoning, Probabilistic Programming and Relational Learning, Quantum Programming

University of California, Santa Barbara

BSc - COMPUTER SCIENCE   GPA: **3.93/4.0**   SEPT 2014 - JUNE 2018
- **Ranked #1** in graduating class with Distinction in Major.
- *Relevant coursework:* Artificial Intelligence/Machine Learning, Networking, Security, Computer Vision, Distributed Systems

RESEARCH

eHealth Research Lab, UCLA   SEPT 2018 - PRESENT
- Established a collaboration with experts in the Translational Genomics Group at Cedars Sinai to build a model to predict whether a Crohn's Disease patient will experience postoperative recurrence.
- Investigated ML topics, including: adversarial ML, transfer learning, and active learning.
- Collaborated with lab-mates on papers in areas of transfer learning and active learning.

Programming Languages Lab, UCSB   JAN 2017 - JUNE 2018
- Investigated effective comparison metrics for test sets/fuzzers, based on linear algebra, under Dr. Ben Hardekopf.

WORK EXPERIENCE

Software Engineer Intern at **Pinterest**, *San Francisco, CA*   JUNE 2017 - SEPT 2017
- **New Annotations Pipeline:** 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. Collaborated with colleagues on a ML and Natural Language Processing-focused team.
Technologies: python, java, scala, scalding, spark
- **Internationalization:** Improved Annotations quality by analyzing and sanitizing the existing dictionary. Ensured that the distribution of Japanese scripts across the dictionary matched that of the Japanese users' queries, descriptions, etc.
Technologies: python, java

Software Engineer Intern at **Impact Radius**, *Santa Barbara, CA* Oct 2015 - Sept 2016
- **Internationalization and Localization:** Organized and simplified the i18n and l10n workflow by designing and building internal tooling, such as managing translation integration and delta creation.
Technologies: java, ractive.js, apache velocity, spring
- **Metrics:** Created a more powerful monitoring system by integrating a third party metrics library into code base and exposing more data to the external monitoring systems.
Technologies: java, jmx

PUBLICATIONS

1. Anahita Hosseini, **Davina Zamanzadeh**, Lisa Valencia, Rima Habre, Alex Bui, Majid Sarrafzadeh: *Domain Adaptation in Children Activity Recognition.* IEEE Engineering in Medicine and Biology Conference (EMBC) 2019.

   Demonstrates effectiveness of domain adaptation in wireless health. We adapt a predictive model from a labeled adult to an unlabeled child activity recognition dataset.

2. Mohammad Kachuee, Kimmo Kärkkäinen, Orpaz Goldstein, **Davina Zamanzadeh**, Majid Sarrafzadeh: *Nutrition and Health Data for Cost-Sensitive Learning.* arXiv abs/ 1902.07102 (2019)

   Investigate the performance of cost-sensitive feature acquisition methods currently popular in literature on classification tasks for different medical complications.

PROJECTS

2016 **GauchoSell**: Designed and built a mobile Android app with 5 other students to improve the process of buying and selling items within college communities.
2011 **Pop Out**: Implemented a game similar to Four in a Row in C++. Players can also pop their own token out from the bottom in order to get four in a row.

ACTIVITIES AND AWARDS

2018 & 2019 **Graduate Dean's Scholar Award:** Departmental award given to highly recruited students who are deemed to enhance UCLA's competitiveness.
OCT 2017 **Grace Hopper Celebration Scholarship**: Received one of few awards from the Computer Science department at UCSB to attend GHC.
SUMMER 2017 **KPCB Fellow and Decision Committee:** Selected to participate in networking events with technical leaders in Silicon Valley. Served on the Decision Committee for potential 2018 Fellows.
SPRING 2016 - **Phi Sigma Rho Chapter Founder/Director of Design:**
SPRING 2018 Established the UCSB chapter of Phi Sigma Rho, a national sorority for women in STEM, as part of the founding class. In charge of designs, and involved in planning events, writing bylaws, recruiting, and mentorship.
FALL 2014 - **SB Hacks Organizer:** Planning/running a large-scale hackathon at
SPRING 2018 UCSB every year: involved in logistics (venue, food, etc), design, and getting sponsors.