LESLIE TSAI

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EDUCATION

University of California, Berkeley   Expected Graduation: May 2019

B.A. Computer Science, B.A. Cognitive Science

- *Completed Coursework:* Machine Learning (189), Algorithms (170), Data Science (C100), Databases (186), Artificial Intelligence (188), Data Structures (61B), Discrete Math/Probability Theory (70), Computer Architecture (61C), Electrical Engineering (EE16A), Data Science (C8)

EXPERIENCE

Research Intern, National Central University iiSR Lab   July 2017 – August 2017

- Collaborated with Eindhoven University of Technology professors to develop iOS audio recording app.
- App used by smart home UI researchers to collect sample dialogue for analysis and interactive dialogue learning researchers for model training data.

Qualcomm Women's Collegiate Conference Participant   January 2017

- 1 of 60 women nationwide chosen to participate in the conference, attended workshops geared towards professional development for women in computing.
- Participated in a 3-hour hackathon with local middle school students, creating an Android app about recycling using App Inventor and Arduino.

HACK Committee Member, Cal Band   March 2016 – Present

- Develops Members Only, the administrative website for Cal Band.

CS 61A Academic Intern, UC Berkeley   January 2016 – August 2016

- Guided students through programming assignments and explained concepts during assigned lab sections and office hours.

CS Scholars, UC Berkeley   August 2015 – August 2016

- Accepted to participate in a cohort of underrepresented students interested in computer science who engage in weekly seminars for academic and professional support.

PROJECTS

Audio Recorder   July 2017 – August 2017

- iOS application using Swift 3 and Xcode
- Conversational UI scenarios inputted as images and descriptions saved to CoreData.
- Uses AVFoundation to record and play back user dialogue based on scenario.

Members Only   March 2016 – Present

- Administrative website containing member database and internal tools for Cal Band.
- Implements bug fixes and new features using Django and HTML/SASS/jQuery.
- Created views for reactivating members, annual music survey, and approving excuse requests.

ACTIVITIES

Cal Figure Skating Team   March 2016 – Present
University of California Marching Band   August 2015 – Present

- *Musical Activities Committee-Librarian (2017):* Conducts band during performances and rehearsals, maintains inventory of 1000+ songs in the music library and arranges music for halftime shows.
- *Director's Assistant (2016):* Facilitated music sectionals and coordinated section events, resulting in 90% freshmen retention within the section. Ensured the section was represented at all band functions, and managed section finances.

SKILLS

Languages: Python, Java, SQL, HTML/CSS, C, JavaScript, Swift
Frameworks/Other: Django, Git, Xcode