



# JEFF CHANG

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## OBJECTIVE

Third year undergraduate student seeking internship position in research and engineering to explore applications of cognitive science

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## EDUCATION

### University of California – Los Angeles | 2019 - Present

- Cognitive Science Major with Specialization in Computing
- 3.99 GPA
- Coursework
  - Python with Applications I
  - Introduction to Programming (C++)
  - MATLAB Programming for Behavioral Sciences
  - Principles of Java Language with Applications
  - Psychological Statistics (R)
  - Fundamentals of User Experience

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## SKILLS

- Programming experience in Python, Java, C++, MATLAB, R, HTML, CSS, JavaScript, PHP
  - Familiarity in working with Visual Studio Code, XCode, GitHub
- Knowledge of research in user experience and human-centered design through coursework
  - Collaborated in group UX research project on redesigning Spotify mobile app
- Experience working with convolutional neural networks and deep learning

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## EXPERIENCE

### Research Assistant | UCLA Computational Vision and Learning Lab | August 2021 – Present

- Collaborating in online experiment design, programming, and data analysis for projects regarding human visual aesthetic experience
- Projects
  - **Visual Aesthetics and Image Chirality**
    - Developing experiment procedures, programming front and back-end design, conducting result analysis for an online study regarding perception of mirrored images

- Associated Conferences/Presentations:
  - **Vision Sciences Society 2022** – Virtual poster presentation
  - **UCLA Undergraduate Research Week 2022** – Panel presentation
- **Perceptual Influences on Size Perception**
  - Running subjects through in-person study; presenting instructions, guiding subjects through experimental procedures, debriefing subjects in controlled laboratory setting
- **Scene Prototype Preferences**
  - Compiling, preprocessing image database and programming analysis using the Alexnet convolutional neural network model to quantify scene typicality
- **Aesthetics of Emotional Walkers**
  - Preparing point-light walker stimuli for dynamic time warping analysis

**Recording Artist | Recollections Music | 2018 – Present**

- Written and released five singles to major streaming platforms
- 12 guitar cover videos uploaded to YouTube

**Storefront Associate | Meet Fresh Fremont | July 2021 – September 2021**

- Preparing orders and maintaining quality customer service in fast-paced work environment
- Handling cashier/POS work, basic kitchen tasks, and store maintenance

**Bocce Instructor/Busser | Campo di Bocce of Fremont | July 2018 – August 2018**

- Managing bocce courts, explaining bocce game rules to patrons
- Part-time busser: cleaning and setup for dining areas

**Student Volunteer | California Walks | November 2018 – March 2019**

- Assisting California Walks in raising community awareness regarding pedestrian safety
  - Office work, conducting pedestrian counts at Orchard Elementary School in San Jose
  - Report writing summarizing pedestrian count findings, safety hazards, city policy suggestions