OLIVIA HUANG

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EDUCATION

University of Southern California, Marshall School of Business – Los Angeles, CA **Dec 2018**
Master of Science in Business Analytics (STEM), Dept. of Data Sciences and Operations

University of California, Los Angeles – Los Angeles, CA **June 2017**
*Bachelor of Science, Mathematics/Economics **Minor:** Entrepreneurship*
      Honors: Dean's Honor List

Yonsei International Summer School – Seoul, South Korea **June 2015**
      Courses: Game Theory, Korean Economy

EXPERIENCE

American Society of Composers, Authors, & Publishers (ASCAP) – Los Angeles, CA **2017**
Film & TV Intern
- Spearheaded member royalty projects by preparing spreadsheets and investigating distribution changes, retaining four high profile composers
- Annotated distribution statements with entitlements to royalties for three consecutive movies, maintaining a high-profile ASCAP composer
- Searched cue sheet database with over 10,000 records for specific works, resolving Film & TV member queries

Ground Control Entertainment – Los Angeles, CA **2016 – 2017**
Music Supervisor and Music Coordinator Intern
- Tracked project submissions, filed songs and lyric sheets to update and organize database of songs for FOX and ABC projects

PROJECTS

Unsupervised Machine Learning Project **Spring, 2018**
Fraud Analytics Course
- Used R and Tableau to analyze 2011 New York Property data to detect abnormality and potential fraud in dataset
- Performed feature analysis methods including dimensionality reduction through Principal Component Analysis and fraud score calculation using Heuristic Algorithm

Geospatial Analysis of Los Angeles County Homelessness **Fall, 2017**
Statistical Computing and Data Visualization Course
- Cleaned and analyzed data on LA County homeless count, pinpointing vulnerable youth homeless subpopulation
- Crafted visualizations and formal presentation to map homeless trends and statistics, presenting compelling analyses, recommendations, and dashboard to Los Angeles County

Constructing Linked Database for Early Race Film Based on the George P. Johnson Collection **Spring, 2017**
Museum for Digital Ages Course
- Researched and designed a semantic model of early race films, preserving records of film details
- Familiarized with linked open data and SPARQL, creating a final paper for reference by researchers and students

Voca VR **Spring, 2016**
Product Development Course
- Developed company that leverages virtual reality technology in Human Resources for recruiting
- Designed business model canvas and product ecosystem, creating strategic framework for Voca VR company

SKILLS

Programming:	R (Dplyr, Shiny), Python (Numpy, Pandas), SQL, Tableau
Visualization:	Adobe Illustrator / InDesign, Tableau, (R: ggplot2), spatial visualization (R: ggmap)
Optimization:	Gurobi (Python)
Languages:	English (native), Mandarin (proficient)

LEADERSHIP

Finance Director, Taiwanese American Union (UCLA) **2014 – 2015**

CERTIFICATION

Data Manipulation in R (DataCamp) **2017**