Chi San Chen

http://www.chenchisan.com

Email : chisanch@usc.edu
Mobile : +1-734-741-3940

EDUCATION

- **University of Southern California** Los Angeles, CA
  Bachelor of Science in Computer Science; Presidential Scholar; GPA: 3.81 *Aug. 2018 – Present*

EXPERIENCE

- **Uliza** Lisbon, PT
  Machine Learning Engineer Intern *May 2019 - Jul 2019*
  - **Speaker Identification Model**: Improved speaker identification model accuracy by 15% through hyper-parameter tuning and feature selection
  - **Data Pipeline**: Redesigned data processing pipeline to handle data cleaning, feature extraction and model generation for 130 hours of audio files

- **Xunlei Ltd.** Shenzhen, CN
  Software Engineer Intern *Jun 2017 - Jul 2017*
  - **Download Extension**: Developed a safari app extension that searches for downloadable resources and passes the data to Xunlei's API
  - **IOS Developer Guidelines**: Collaborated with the IOS development team to produce a set of developer guidelines for interacting with IOS 9

CLUBS & ACTIVITIES

- **Trojan Support** Los Angeles, CA
  Head of Technology *September 2019 - Present*
  - **Web Development**: Led a team of students to redesign scheduling system for appointments and build data dashboards for post-counseling reports

PROJECTS

- **Deep Learning Mental Health**: Led a research on examining mental health issues associated with built environmental features using transfer learning and ensemble learning
- **Intrusion Detection System**: Intrusion detection system that recognizes malicious network traffic with 97% accuracy using Sparse Autoencoders on public datasets
- **Malicious Website Classifier**: Prediction model classifying malicious and benign websites with 96% accuracy based on application layer and network characteristics
- **Swift Course**: Created a course teaching fundamentals of programming in Swift to over 3500 students

PROGRAMMING SKILLS

- **Languages:**: C++, Python, Java, Javascript, SQL
- **Software Libraries:**: Pandas, Numpy, Keras, Tensorflow, Matplotlib
- **Web Technologies:**: React, Gatsby, Java Servlets, Flask, Google Cloud Services

ACHIEVEMENTS

- **SANS Community Scholarship:**: Selected as a scholarship winner among 200 finalists nationwide for Cyber-FastTrack, an online contest related to forensics and penetration testing
- **Quanthub's Certificate of Excellence:**: Achieved a 4.0+/4.5 score in University Data Challenge
- **Viterbi Scholars Award:**: Selected as a Viterbi Scholar for academic achievement and leadership

RELATED COURSEWORK

- **College Classes:**: Software Development, Data Structures & Algorithms, AI for Social Good
- **Online Classes:**: Machine Learning, Neural Networks and Deep Learning