Hyunjun Choi

13041 Mesa Verde Way Sylmar, CA 91342 | 562-275-1502 | choi797@usc.edu | www.linkedin.com/in/chj6509

EDUCATION

Master of Science in Computer Science December 2021
University of Southern California GPA: 3.7/4.0
Relevant coursework: Web Technologies

Master of Science in Data Informatics December 2018
University of Southern California GPA: 3.62/4.0
Relevant coursework: Machine Learning, Foundations and Applications of Data Mining, Foundations of Data Management, Data Informatics Professional Practicum, Probability and Statistics for Data Science, and Information Visualization

SKILLS

- Front End: JavaScript, HTML5, Angular, Bootstrap
- Back End: C++, Java, Python, Node.js, Express.js, Flask, REST, Firebase
- Tools: Git, Docker, Nginx, AWS, GCP, Azure, NPM, Android Studio

WORK EXPERIENCE

Research Assistant January 2018-December 2018
University of Southern California, Los Angeles, U.S.

- Conducted research on generalization properties of Neural Networks (NNs).
- Investigated ways to improve generalizability of NNs across more than one hundred real-world datasets, using *Keras* library in *Python*.

PROJECTS

Personal Website: https://hyunjuna.github.io (for additional information and projects)

Films Web App January 2021-May 2018

- Implemented Films Web App using datasets provided by TMDB API [Website, Video]
- Developed server side using ExpressJS, and client side using Angular, Bootstrap CSS framework, and JavaScript.
- Hosted ExpressJS on Google App Engine.
- Utilized: LocalStorage API, Google App Engine (GAE), ExpressJS, Angular, Bootstrap, JavaScript, HTML, CSS, JSON, AJAX

Films Android App January 2021-May 2018

- Developed Films Android App using datasets provided by TMDB API [GitHub, Video]
- Used third-party libraries for Android like Picasso, Glide, and Volley.
- Hosted ExpressJS on AWS.
- Utilized: Android Studio, AWS, ExpressJS

Visualization on datasets from the Correlates of Wars August 2018-December 2018

- Visualized military expenditures of top-10 spenders, information concerning militarized interstate disputes, wars, and international trade using datasets provided by Correlates of Wars.
- Implemented responsive and interactive a web application with D3.js, Angular, and Bootstrap CSS framework.
- Hyun Jun Choi, Shiv, Information Visualization on Wars and WorldTrade Datasets (2018) [Report, GitHub, Website]
- Utilized: D3.js, Angular, Bootstrap, JavaScript, HTML, CSS, JSON

Machine Learning in Medical dataset January 2018-May 2018

- Analyzed a dataset provided by Department of Surgery at USC's Keck School of Medicine so as to identify features associated with graft survival after orthotopic liver transplantation (OLT).
- Utilized statistical methods, NNs, and SVM to predict graft survival after OLT using pre-transplant features.
- Hyun Jun Choi, Yujia Deng, Ana Farzindar Predict Graft Survival after OLT using Pre-Transplant Features using machine learning and statistical method (2018) [Report]
- Utilized: Python, LaTeX

Android App Development January 2017-May 2017

- Developed an Android application for the USC community, which includes students, faculty, and alumni, to recommend good resources on the USC campus and share their extraordinary experiences.
- Used Firebase as the database to store all the data and resources.
- Hyunjun Choi, Wanjin Li, Taoran Ju, Project Final Report (2017) [Report, GitHub]
- Utilized: Android Studio, Firebase