Jerry Sun

sun.jerry.2000@gmail.com | 480-512-2414 | jerrysun14 | jsun14 | jsun14.github.io

Education

Cornell University, Ithaca, New York
B.S. Computer Science, GPA: 3.91/4.00, Deans List Aug 2019 - May 2023

- **Coursework**: Intro to Analysis of Algorithms, Intro to Machine Learning (TA), Probability and Statistics, Functional Programming (Consultant), Learning Analytics, Discrete Structures, OOP & Data Structures, Data Science for Engineers, Linear Algebra, Multivariable Calculus

Skills

Languages

- Python, Java, R, Ocaml, React, TypeScript, SQL

Technologies

- Git, AWS, Android Studio, Tensorflow, Scikit-Learn

Experience

Cornell Data Science | *Education Subteam Member* Jan 2020 - Present

- Lecture, grade, and hold office hours for the class (Intro to Data Science) taught by CDS
- Add data science tutorials to the CDS repository (React, TypeScript, Python)

Chandler Unified School District | *Android Developer* Apr 2019 - Jun 2019

- Built an informational Android App (Java) for the CUSD Breaking Barriers for Excellence Symposium, incorporating a splash screen feature and buttons to direct to google forms

Arizona State University Active Perception Group | *Student Researcher* Feb 2018 - May 2019

- Created Convolutional Neural Network, CNN, to classify in-air handwritten alphanumerics /gestures (Keras), advised by Assistant Professor Yezhou Yang & PhD student Duo Lu

Projects and Accolades

Election Prediction Kaggle Competition Dec 2020

- Created SVM, KNN, and Neural Network models to predict the 2016 election results by county. Team placed 4th and achieved an 86% accuracy rate.

Wii Play - Tanks Game Apr - May 2020

- Built a game inspired directly from Wii Play-Tanks with game mechanics built from scratch (OCaml)

Oh-Online Mar - Apr 2020

- Created front-end for web app to automate zoom calls and streamline office hour queues (React)

2nd Place in the Cornell Mathematical Contest in Modeling Dec 2019

- Developed models to assign repair priority scores to blocks of sidewalks, identify optimal repair strategies, and predict future budget costs for the Ithaca Sidewalk Improvement Program

1st Place in the Cornell Hospitality Hackathon Sep 2019

- Pitched data-driven model to cluster guests based on preferences (i.e. sleeping habits) and used location data to optimize efficiency by housekeepers and reduce workplace musculoskeletal injuries