Karina Chen

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EDUCATION

University of California, San Diego   Sept. 2020 - Mar. 2024

Data Science B.S., Design Minor

- GPA: 3.98 (senior standing)
- Relevant coursework: Data Structures & Algorithms, Theoretical Foundations of Data Science, Principles of Data Science, Practice of Data Science, Data Analysis & Inference in R, Deep Learning*, Recommender Systems & Web Mining*, Data Management*, Linear Algebra, Calculus & Analytical Geometry, Introduction to Probability, Introduction to Mathematical Statistics, Data Analysis & Inference, Design of Everyday Things, Interaction Design* (*in progress)
- Honors: Provost Honors (every quarter)

SKILLS

- **Languages**: Python, Java, R, SQL, MATLAB
- **Design**: HTML/CSS, Figma
- **Other**: Pandas, Numpy, Scikit-learn, BeautifulSoup, Matplotlib, Seaborn, Jupyter Notebook, Git, RStudio, LaTeX

WORK EXPERIENCE

Halıcıoğlu Data Science Institute at UC San Diego   Jan. 2022 - Present

Instructional Assistant/Tutor

- Tutored two quarters of classes of 150+ students in DSC 20: Programming & Data Structures in Python
- Debugged code and explained course concepts including simple data structures, recursion, and object-oriented programming in one-on-one office hours held at least 4 hours a week, resolving 200+ student tickets
- Coordinated and communicated with teaching staff regarding class logistics of writing homeworks and answering questions on the class forum
- Graded 400+ student assignments and assessments and proctored student examinations

Hey Social Good   Mar. 2021 - Sept. 2021

Data Science Intern

- Captured data from 50+ publicly available websites using Python packages Selenium and BeautifulSoup
- Designed and formatted the translation of captured social good business data into custom designed PDF documents with 4-person Data Analytics Team
- Supported company's Sentiment Analysis Project by testing the applicability of Twitter's social information using Twitter API and Microsoft Azure Text Analytics API
- Presented results, contributions, and challenges to the CEO on success of sentiment analysis project

PROJECTS

Personal Website   July 2022

- Designing and coding personal website using HTML and CSS to showcase my handmade crochet plushies

Analysis of Survivor   July 2022 - Present

- Working on data science project based on the survivoR dataset using pandas, numpy, scikit-learn, matplotlib, and seaborn to analyze and predict winners of the show Survivor

ALERTWildfire   Sept. 2021 - Mar. 2022

- Analyzed wildfire spread using image change detection method with the Image Processing Toolbox from MATLAB
- Built machine learning model to predict wildfire occurrences using Python