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: Calculus & Analytical Geometry, Data Analysis & Inference in R, Data Management*, Data Structures & Algorithms, Deep Learning*, Design of Everyday Things, Interaction Design*, Linear Algebra, Mathematical Statistics, Practice of Data Science, Principles of Data Science, Probability, Recommender Systems & Web Mining*, Theoretical Foundations of Data Science (*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, Microsoft Office

WORK EXPERIENCE

Halıcıoğlu Data Science Institute   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

Analysis of Survivor   Aug 2022 - Present

- Converted survivoR data package from R to Python datasets, cleaned data, and restructured data frames by merging and dropping columns in order to analyze all 42 seasons and 626 contestants of the show Survivor
- Using pandas, numpy, scikit-learn, matplotlib, and seaborn to develop and assess pipelines to predict Survivor winners

Personal Website   July 2022

- Designed and coded personal website using HTML and CSS to showcase my handmade crochet plushies

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