

# Karina Chen

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## EDUCATION

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### 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, Data Visualization\*, Design of Everyday Things, Interaction Design, Linear Algebra, Machine Learning\*, Mathematical Statistics, Practice of Data Science, Principles of Data Science, Probability, Probabilistic Modeling and ML\*, Recommender Systems & Web Mining, Systems for Scalable Analytics\*, Theoretical Foundations of Data Science (\*in progress)
- Honors: Provost Honors (every quarter)

## SKILLS

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

## WORK EXPERIENCE

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### Halcioğlu Data Science Institute

Jan 2022 - Present

*Instructional Assistant/Tutor*

- Tutored three 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 300+ student tickets
- Coordinated and communicated with teaching staff regarding class logistics of writing homeworks and answering questions on the class forum
- Graded 450+ 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

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### 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 crochet plushies and technical projects

### 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