Jason Sheu

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Professional Summary:

Detail oriented and curious data scientist with a strong background in statistics and programming, skilled in machine learning, predictive models, and statistical analysis. Passionate about ethics in data science and machine learning models. Looking for a position as a data scientist to inform powerful and important decisions in diverse contexts.

Skills:

- Python, SQL, R, HTML, Javascript, CSS, Java
- Pandas, scikit-learn, pytorch, tensorflow, NLP, Docker, seaborn

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Education:

B.S. Data Science – GPA: 3.45   **Expected Graduation -** 2022
University of California, San Diego – La Jolla, CA

Experience:

Data Science Intern   01/2022 to Present
    UCSD BioRegional Center – La Jolla, CA
- Streamlining the collection of tree data into a SuAVE map representation through a limesurvey integration to efficiently collect large amounts of tree data from throughout San Diego.
- Analyzing tree data to generate insight into socioeconomic challenges faced by parks throughout San Diego.

Data Science Intern   08/2021 to 12/2021
    GeoACT Research Group – La Jolla, CA
- Investigated potential parameters for a model to predict spread of covid-19 in school classrooms, presented to the San Diego Board of Education, leading to safer classroom layouts and better-informed masking guidelines.
- Researched delta variant strains of Covid-19 to help the team better understand how to adjust our model.

Data Science Intern   06/2021 to 10/2021
    San Diego Energy District – La Jolla, CA
- Created, tested, and deployed a data pipeline from a Ragic Database to improve the efficiency of data querying.
- Developed a python application to conveniently send mail from a Ragic Database using click2mail API, allowing better outreach

President   04/2020 to 04/2021
    Sun God Archery at UCSD – La Jolla, CA
- Oversaw operations, including supervision of archery practice, equipment orders, and club spending.
- Coordinated with UCSD to implement a COVID-19 safety response plan, ensuring near normalcy in club operations and activities all while preserving the safety of club members.
- Lead weekly board meetings with club officers to drive the organization towards its mission.

Projects:

- **Is Policing in San Diego Fair:** A statistical analysis on San Diego police data to show that racial profiling is occurring in traffic stops, with a significant number of Black Americans being subjected to searches and arrests when stopped, compared to white Americans.
- **Alpha-Centauri Bot:** A discord bot using Python and a N-Gram language learning model that generates or autocompletes realistic sentences based on previously sent messages in a discord server.