Han Ji

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EDUCATION

University of California, Santa Barbara   **Graduation: June 2022**
BS in Biological Sciences & Statistics and Data Science
GPA: 3.99/4.0, the Highest Honor (Top 2.5%)
Received Rama Thogarati Award for high academic achievement

Brown University   **Expected Graduation: May 2024**
ScM in Biostatistics

PREVIOUS COURSEWORK

- **PSTAT 120A, 120B, 120C, 160A, 160B** – Learned basic statistical concepts, distributions, parametric/nonparametric tests, and stochastic processes
- **PSTAT 126, 131**– Understood different regression models, and learned machine learning methods extended from regression; Utilized methods including cross-validation, loss function, and ROC curve to train and compare models
- **PSTAT 115** – Learned Bayesian inference and utilized conjugate priors to analyze real-life data; Understood Metropolis-Hasting algorithm to tune model parameters
- **PSTAT 195** – Understood data science life cycle and studied exploratory data analysis; Conducted projects through data wrangling, PCA, and regression models

WORKING EXPERIENCE

Undergraduate Learning Assistant   **Oct. 2020 – June 2021**
- Graded homework and answered questions on Piazza to help students learn topics
- Provided feedback to the professor on students' common mistakes in homework and common questions asked during office hours
- Created exercises in LaTex from worksheet templates provided by the professor

Undergraduate Research Assistant   **Sep. 2021 – July 2022**
- Analyzed trajectory data of Drosophila larvae to study their navigational decision strategies based on olfactory information
- Explained statistical tests like ANOVA to lab members with no statistical background
- Wrote all-in-one statistical test functions like ANOVA to incorporate different plotting, hypothesis testing, and inference modules
- Instructed lab members to apply all-in-one statistical functions to data analysis

SKILLS

- **Programming**: C++, LaTeX, Python, R, and SQL
- **Language**: Mandarin and English