Noah C. Sano

noahcsano@berkeley.edu | linkedin.com/in/noah-sano-062601 | Portfolio: **noahcsano.github.io/ns_port**

Education

University of California, Berkeley	Expected Graduation: May 2024
B.S. Data Science & B.S. Cognitive Science	GPA: 3.6
Computer Science Minor	Japanese & English Native

Courses: *Data Structures, Machine Learning & Data Analytics, Artificial Intelligence, Principles/Techniques of Data Science, Computer Architecture, Computer Security, Probability Analysis for Engineering, Discrete Math*

NCAA Division 1 Student Athlete (Team Captain) *August 2019 - Present*
  ➢ Dedicated 20+ hours/week of collegiate training as a member of the UC Berkeley Men's Gymnastics team
  ➢ As a captain, facilitated team meetings to reinforce values/goals and served as consultant to the coaches
  ➢ CGA/Pac-12/MPSF All-America Scholar Athlete, winner of the team's Hardest Worker Award(2023)

Skills

Programming Languages: *Python, SQL, Javascript, Java, C, HTML, CSS, R, Golang*
Software/Frameworks: *NumPy, Pandas, Scikit-learn, Statsmodel, Matplotlib, Seaborn, Git, NLTK, Jupyter*

Experience

UX Design & Development Intern **Los Angeles, CA**
Company: Scorpion *June 2023 - August 2023*
  ➢ Understood product specifications and user psychology, as well as how to partner with backend development, project management, test engineers, and client teams for client website projects
  ➢ Ensured compliance with WCAG and ADA guidelines through verifying and qc-ing color contrast ratios, font sizes, rollovers, captions for videos, and proper labeling to ensure each page is accessible for all users
  ➢ Attended workshops with clients to solve UX/UI problems

Data/Computer Science Tutor **Berkeley, CA**
UC Berkeley Academic Student Employee *January 2021 - September 2021*
  ➢ Demonstrated proficiency in providing academic tutoring for Computer Science and Data Science courses
  ➢ Conducted regular assessments to track students' progress and identified areas for improvement
  ➢ Topics: OOP, recursion, higher order functions, debug, time complexities, SQL queries, Linear Regression

Projects

NLP for Stack Exchange Text Analysis | *Python*
  ➢ Predicted "usefulness" of Stack Exchange questions with data engineering and machine learning algorithms
  ➢ HTML formatted-text data cleaning: string parsing, RegEx, stemming, and tokenization techniques
  ➢ Statistical Methods: Logistic Regression, Decision Trees, Random Forest w/ 10-fold Cross Validation, ROC-AUC metric to evaluate model performance and bootstrap analysis to build 95% confidence intervals
  ➢ Softwares: Pandas, Numpy, Scikit-learn, BeautifulSoup, NLTK, Matplotlib, Statsmodel, Jupyter Notebook

Flight Status Data Analytics | *Python*
  ➢ Time series analysis of flight datasets to predict cancellation statuses (maximum accuracy - 97.6%)
  ➢ Seaborn EDA for robust feature engineering/selection such as heatmaps to mitigate multicollinearity
  ➢ Implemented and evaluated various analytics models (Logistic Regression, Decision Tree Classifier, LDA, Random Forest, Gradient Boosting) using metrics such as TPR, FPR, precision, and ROC-AUC score

My Dropbox | *Golang*
  ➢ Developed a file storage/sharing system with an emphasis on cryptographic security, including symmetric/asymmetric encryption, MAC, and Digital Signature to ensure private communication.
  ➢ Designed as a tree structure using structs representing the network of users, files, invitations, etc. objects

Git-let | *Java*
  ➢ A version-control system, mimicking basic functions of GIT(add, commit, log, merge, status, etc.)
  ➢ Organized serialized files as a tree structure to optimize access, addition, and removal of files
  ➢ Softwares/Libraries: java.io (Utilize inputs and outputs through data streams, serialization, and file system)