Noah C. Sano

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`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
- Selected as the 2023-24 captain, facilitating team meetings and serving as a 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*
Libraries/Tools: *NumPy, Pandas, Scikit-learn, Statsmodel, Matplotlib, Seaborn, Git, NLTK, Jupyter, BeautifulSoup*

Experience

UX Design & Development Intern **Los Angeles, CA**
Company: Scorpion *June 2023 - August 2023*

- Proactively identified and addressed potential UX/UI issues during the development process, preventing post-launch complications while partnering with backend development and project management teams
- Successfully implemented accessibility improvements on client websites(qc-ing color contrast ratios, font sizes, rollovers, and proper labeling), resulting in enhanced compliance with WCAG and ADA guidelines.
- Collaborated directly with clients in workshops focused on addressing navigation and page flow challenges

Data/Computer Science Tutor **Berkeley, CA**
UC Berkeley Academic Student Employee *January 2021 - September 2021*

- Subjects: OOP, recursion, higher-order functions, debugging, time complexities, SQL queries, regression
- Received positive feedback from students for creating an inclusive and interactive learning environment

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 Models: 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

Flight Status Data Analytics | *Python*

- Time series analysis of Kaggle flight datasets to predict cancellation status (maximum accuracy - 97.6%)
- Seaborn EDA for robust feature engineering/selection; heatmap visualizations 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 a network of structs representing the flow of username/password storage, user sessions, cryptographic public/private keys, files, sharing and revoking processes
- Achieved full coverage against class provided simulations of adversary attacks

Gitlet | *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)