SAPANA DONDE

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CERTIFICATIONS

University of Texas at Austin Full Stack Web Development - Coding Bootcamp	**Expected Graduation: September 2022**
University of Texas at Austin Data Analytics and Visualization Bootcamp	**Graduation: February 2022**

TECHNICAL SKILLS

Languages: JavaScript, HTML, CSS, Python, Excel VBA

Frameworks: Express, Bootstrap, Foundation, Flask, Progressive Web Application (PWA), Spark

Platform & Tools: Node.js, Jupyter Notebook, pgAdmin, AWS, Google CoLab, Tableau || **Version Control:** Git

Libraries & Modules: React, GraphQL, Apollo Server, Sequelize, Mongoose, Handlebars,js, Pandas, Joblib, jQuery, Matplotlib, SQLAlchemy, D3.js, Plotly, Leaflet, NLP

Databases: MySQL, PostgreSQL, SQLite, MongoDB, MS Access, REDCap || **Statistical Software**: R, SPSS, SAS

FEATURED PROJECTS   https://sd-github21.github.io/Portfolio/

Olympic Medal Predictions | Deployed with Heroku | **January 2022**
- Designed and built web application comprised of 4 webpages showcasing project team's data analytics and machine learning models examining Olympic medal predictions using Flask, Python, HTML, and CSS
- Created interactive forms to allow users to enter their biometric data, including conversion of height and weight data, to be fed into a machine learning model predicting whether or not they would medal in a chosen Olympic sport and display the result back to the user

Happy Hour | Deployed with GitHub pages | **May 2022**
- Collaborated with project team members to design and build web application allowing users to select a cocktail and generate displayed information about that cocktail (images, recipes) and a button feature offering translations of how to order that cocktail
- Built back-end functionality to fetch data from two server-side APIs (Cocktail DB & Google Translate); display data using dynamically generated JavaScript; use localStorage to store persistent data; and created modals with Foundation's Reveal (jQuery modal plugin)

Belly Button Biodiversity | Deployed with GitHub pages | **November 2021**
- Built webpage for bootcamp assignment to assist mock biological research lab to publish research data of bellybutton bacterial samples
- Utilized JavaScript, HTML, and D3.js library to allow users to select individual participants' research data and generate dashboard displaying various data visualizations, including a bar chart, gauge meter, and bubble chart

RELEVANT EXPERIENCE

Research Associate/Affiliate   **UNIV. OF TEXAS AT AUSTIN**| *Austin, TX*   **November 2015 -present-day**
- Principal Investigator and lead research team for original qualitative research examining clinicians' experiences with trauma interventions
- Utilize technical tools (*MS Excel, Jupyter Notebook, Python*) to store, organize, and analyze qualitative data
- Developed, implemented, and supervised research design, Institutional Review Board (IRB) proposals, data collection, data management, and data analysis protocols and procedures
- Published 4 peer-viewed articles that featured paired samples t tests, multiple regression, path analysis, and multiple logistic regression

Technical Consultant   **UNIV. OF TEXAS AT AUSTIN**| *Austin, TX*   **September 2013 – October 2015**
- Designed and created database in *REDCap* to store, organize, track, and integrate research data (e.g., neuropsychological testing data, genetic testing data, fMRI data, EEG data, etc.) from NIMH-funded translational science research projects

Research Project Director   **UNIV. OF TEXAS AT AUSTIN**| *Austin, TX*   **June 2010 -May 2013**
- Projects included an NIJ-funded action research project aimed at developing sensitive victim notification protocols for untested sexual assault kits in Houston, TX and evaluations of prosecutor-based domestic violence program in El Paso, TX
- Designed and created *MS Access* database to store, organize, and track research data, i.e., medical file information and medical documentation
- Completed all research activities: reviewing literature; preparing IRB proposals; data collection through surveys, focus groups & individual interviews; participating in and leading meetings with project stakeholders; qualitative & quantitative data analysis; report-writing; dissemination of findings via workshops, trainings, and presentations; and supervision of research staff

Technical Consultant   **June 1999 – February 2010**
- Provided technical consultation within a diverse range of settings including: Saint John' Hospital Child and Family Development Center, Santa Monica CA | The Lab School of Washington, Washington, DC | Asian Women's Self-Help Association, Washington, DC | Center for Health, Achievement, Neighborhood Growth, and Ethnic Studies, Univ. of PA Grad School of Ed, Philadelphia, PA
- Designed, tested, updated, implemented, and managed *MS Access* databases (including tables, queries, & data entry forms) to track, monitor, & organize research data collection and to facilitate greater utility & efficiency for research & data management purposes
- Designed, tested, & modified *SAS* data entry screens
- Created & implemented organizational systems for data management & data tracking
- Analyzed data & prepared reports for dissemination to stakeholders within and outside of organizations
- Conducted staff trainings and supervised staff to ensure effective database implementation and usage

EDUCATION

Doctorate of Phil. in Clinical Psychology	**George Washington University |Washington, DC**	**August 2001 – January 2009**
Bachelor of Arts in Psychology, cum laude	**University of Pennsylvania	Philadelphia, PA**	**August 1995 – May 1999**