SAVANNAH SHIFFLET

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Full-stack developer with 4+ years of professional experience in health digital and analytics, specializing in data-driven strategies and solutions. Knowledgeable in the life sciences industry with a pre-medical education and background in clinical and research settings. Skilled in human-centered design, critical thinking, and versatile communication. Proven track record in creating innovative solutions that drive ROI.

TECHNICAL SKILLS

Git | JavaScript | Python | R | Java | Node.js | MySQL | PostgreSQL | React | React Native | NoSQL | MongoDB | GraphQL | RESTful APIs | Express.js | Session | JSON Web Token | JQuery | Sequelize | Snowflake | Jest | Handlebars | HTML | CSS | Bootstrap | Bulma | Material UI | Tableau | HIPAA | Usability tests | Natural language processing

CORE SKILLS

Cross-functional collaboration | Agile methodologies | Computational thinking | Human-centered design thinking | Software development | Product management | Object-Oriented programming | Object-Relational Mapping | Model-View-Controller Paradigm | Responsive design | Quantitative & qualitative research methods | Statistical methods

PROJECTS

Sidekick | [GitHub Repository](#) | [Deployed Project](#)
- *Summary*: A restaurant POS isomorphic application that utilizes a full MERN stack to drive efficient ordering and sales. Application can be tested using a fake employee ID of 1000.
- *Core responsibilities*:
    - Architected database models utilizing MongoDB
    - Developed GraphQL resolvers on the backend and wrote the corresponding queries and mutations on the front end
    - Implemented JSON Web Token based authentication
    - Troubleshooted and debugged with team members across front-end and back-end code
- *Technologies used*: CSS, HTML, JavaScript, Material UI, React, MongoDB, GraphQL, Heroku, Node.js, Express, JSON Web Tokens, dotenv, Mongoose, React Router

Blob Mania | [GitHub Repository](#) | [Deployed Project](#)
- *Summary*: A full-stack web-based multiplayer 2D shooter game with a retro aesthetic. The application is structured using the MVC paradigm and utilizes Node.js, sockets, and MySQL.
- *Core responsibilities*:
    - Implemented sockets using the Node.js package Socket.io
    - Designed the web page aesthetic and branding for the game
    - Developed back-end RESTful API routes
    - Architected database models utilizing MySQL and Sequelize
    - Troubleshooted and debugged with team members across front-end and back-end code
- *Technologies used*: CSS, HTML, JavaScript, Bootstrap CSS framework, Handlebars template engine, MySQL, Heroku, Socket.io, Sequelize, Express, Sessions, dotenv, bcrypt

EXPERIENCE

Business Analyst, Digital & Analytics | McKinsey & Company | Austin, Texas   **October 2022 – July 2023**
- Structure ambiguous problems and synthesize clear takeaways and recommendations using qualitative and quantitative methods.
- Present recommendations to diverse audiences, including at the CxO level, through structured and concise communication.
- Establish trust-based relationships and implement recommendations in collaboration with client stakeholders.

Key accomplishments:
- Implemented procurement optimization model, achieving ~50% savings in IT supplier spend.

- Developed change management roadmap and playbooks in addition to interactive tools to enhance client capabilities.
- Designed and implemented a project management solution across 3 teams by employing Microsoft SharePoint and Power Apps.
- Analyzed the clinical trial landscape by utilizing PostgreSQL, synthesizing insights to inform R&D strategic planning.
- Co-founded Texas chapter of firm group, Access, to support peers with disabilities, chronic illnesses, and mental health challenges.

Researcher & Data Analyst | The University of Texas at Austin | Austin, Texas   September 2021 – August 2022
- Leveraged skills in machine learning and natural language processing, data preparation, analysis, and visualization as a member of the Data Science Team, resulting in a co-authored manuscript on opioid overdose surveillance from emergency medical services records.
- Played a key role in a cross-industry, 5-year project focused on developing a scalable product named TxCOPE. TxCOPE gathers continuous data on overdoses statewide, employing community-based research methods.
- Provided research and data analytics consulting services to CLEAN Cause, an external private partner.
- Supervised and mentored research assistants as the primary assessor for an NIH clinical trial.
- Contributed to grant proposal writing efforts, successfully securing funding for research initiatives.
- Co-authored abstracts, posters, presentations, and manuscripts.

Crisis Counselor | Integral Care: Psychiatric Emergency Services | Austin, Texas   October 2020 – September 2021
- Conducted comprehensive evaluations of individuals to assess their strengths, preferences, functional impairments, and symptoms related to psychiatric and/or co-occurring disorders to restore a sense of safety, power, and self-worth.
- Collaborated with consumers, first responders, and community stakeholders to address immediate mental health crises and plan for future crisis relapse prevention.
- Maintained certifications in Illness Management and Recovery, HIPAA, Infection Control, Texas Resilience and Recovery service delivery system, Co-Occurring Psychiatric and Substance Use Disorders, and CPR.

Social Work Consultant | Monroe & Weisbrod | Austin, Texas   January 2020 – October 2020
- Analyzed quantitative and qualitative data to drive product strategy and development.
- Designed an asynchronous care model to increase accessibility to psychiatric services.
- Oversaw marketing accounts, performing a range of responsibilities such as social media development, content creation, brand specialization, and serving as a communication liaison.
- Managed accounts receivable and accounts payable.

EDUCATION

Professional Certificate: Full-stack coding   **June 2023 – September 2023**
The University of Texas at Austin

Pre-Medical Post-Baccalaureate | GPA: 4.00 | MCAT: 94th percentile   **September 2019 – December 2021**
Austin Community College & The University of Texas at Austin

Bachelors of Science in Social Work | GPA: 3.99   **August 2015 – May 2019**
The University of Texas at Austin

HONORS
- Graduated UT with Highest Honors
- Valedictorian – Dripping Springs High School
- '21 ACC Chancellor's Honor Award
- '18-'19 UT HEALS Scholar
- '18-'19 Tu-Ting and Rachel Tsan Endowed Presidential Scholar
- '17-18, '18-'19 UT Distinguished College Scholar
- '17-'18 School of Social Work Anniversary Excellence Fund recipient
- '16-'17 UT College Scholar