

# 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 | Node.js | Express.js | MySQL | PostgreSQL | Sequelize | RESTful APIs | Jest | React | NoSQL | MongoDB | GraphQL | Handlebars | HTML | CSS | Bootstrap | Bulma | Tailwind | Material UI | JSON | JQuery | Python | R | Tableau | HIPAA | Quantitative & qualitative research methods | 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

## PROJECTS

### 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

### Dungeons & Dragons: Quest for Glory! | [GitHub Repository](#) | [Deployed Project](#)

- Summary: A front-end application that utilizes server-side APIs to randomize a creative D&D character and then generate a quest for that character with ChatGPT's generative artificial intelligence.
- Core responsibilities:
  - Implemented the server-side APIs
  - Developed the interactive components through JavaScript
  - Troubleshooted and debugged with team members
- Technologies used: CSS, HTML, JavaScript, Bulma CSS framework, JQuery, D&D API, ChatGPT API

## 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 communications in addition to playbooks and 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**

- Utilized skills in machine learning and natural language processing, data preparation, analysis, and visualization as a member of the Data Science Team. Co-authored a manuscript utilizing the results: *An interpretable machine learning framework for opioid overdose surveillance from emergency medical services records*
- Contributed as a scientific team member in a cross-industry, 5-year project focused on developing a scalable product named **TxCOPE**. The project aimed to gather continuous data on overdoses statewide, employing community-based research methods.
- Provided research and data analytics consulting services to CLEAN Cause, an external private partner.
- Led and supervised research assistants as the primary assessor for an NIH clinical trial.
- Assisted in the writing of grant proposals to secure 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: 94<sup>th</sup> percentile** **September 2019 – September 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