

SARA BALTZ

FULL-STACK SOFTWARE ENGINEER

sara@sarabaltz.com | (765) 505-6148 | Dallas, TX (Open to Relocation)

[Personal narrative]

TECHNICAL SKILLS

JavaScript (Node.js, Express, Redux, Sequelize) · Python (Flask, Alembic, SQLAlchemy) · AWS S3 · Docker(?) · SQL (PostgreSQL, SQLite3) · Postman · React · HTML/CSS · Debugging

RELEVANT SKILLS

Graphic Design (Inkscape, GIMP, PaintTool SAI) · Writing & Documentation · Teamwork · Customer Service

EDUCATION

APP ACADEMY · Software Engineering Track: Full-Time

Online | March 2025

1,000+-hour full-stack web development & computer science intensive bootcamp

THE UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER · Clinical Research Management, M.S.

Fort Worth, TX | May 2023

THE UNIVERSITY OF TEXAS AT DALLAS · Neuroscience, B.S.

Richardson, TX | May 2020

PROJECTS

[CAPSTONE] · React · HTML/CSS | Python · Flask · Alembic · SQLAlchemy · AWS S3 · Docker(?) | PostgreSQL [GitHub](#) | [Live Website](#)

- TBD
- TBD
- TBD
- TBD

[MUSIC WEBSITE CLONE] · React · HTML/CSS | Python · Flask · Alembic · SQLAlchemy · AWS S3 | PostgreSQL [GitHub](#) | [Live Website](#)

- TBD
- TBD
- TBD
- TBD

RYOKANVAS · React · Redux · HTML/CSS | Node.js · Express · Sequelize | PostgreSQL · SQLite3

[GitHub](#) | [Live Website](#)

- Developed a full-stack AirBnB clone that seamlessly integrates a React, Redux, HTML, and CSS frontend with a Node.js & Express backend for a responsive & dynamic user experience
- Engineered robust back-end API endpoints using Node.js, Express, Sequelize, and PostgreSQL/SQLite3 to create & manage user accounts, property listings, and reviews, ensuring data integrity & efficient querying
- Enhanced application security with client- & server-side validation, user authentication & authorization, middleware to protect against common web vulnerabilities (Helmet & Csurf), and password hashing (BCrypt)
- Designed & implemented a relational database schema using PostgreSQL & SQLite3, leveraging the Sequelize ORM to efficiently manage data relationships & optimize query performance for core features

SARABALTZ.COM · HTML/CSS | Node.js

[GitHub](#) | [Live Website](#)

PUBLICATIONS

PHYSIOLOGICAL AND PERCEPTUAL DEMAND OF OVERGROUND ROBOTIC EXOSKELETON GAIT TRAINING ON PHYSICAL THERAPISTS IN THE INPATIENT NEUROREHABILITATION SETTING

October 2024

American Congress of Rehabilitation Medicine – 2024 Annual Conference | Poster Presentation | Co-Author

Awards: ACRM Poster Spotlight 1st Place Award, Best Early Career Poster in Technology

METABOLIC INTENSITY OF OVERGROUND ROBOTIC EXOSKELETON GAIT TRAINING AMONG PATIENTS WITH SUBACUTE SPINAL CORD INJURY

October 2024

American Congress of Rehabilitation Medicine – 2024 Annual Conference | Poster Presentation | Co-Author

Awards: Spinal Cord Injury ISIG Early Career Poster Award

COST ANALYSIS OF ROBOTIC EXOSKELETONS FOR USE IN INPATIENT REHABILITATION POST-SPINAL CORD INJURY

April 2023

ProQuest Dissertations & Theses | Master's Degree Thesis

EMPLOYMENT

CLINICAL RESEARCH COORDINATOR 1 · Baylor Scott & White Institute for Rehabilitation

February 2023 – September 2024

- Coordinated the Sleep SMART, ERA Stroke, FIRST, DOOR, and SCIMS Spasticity Module investigator-initiated clinical trials
- Maintained departmental databases (stroke admissions; publications & dissemination; CVs, licenses, and certifications)