SHAWN KRISTEK

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- (361) 293 8453
- Salt Lake City

FULL STACK 3YRS | ENGINEERING & ROBOTS 7YRS

From programming robots in C for university recruiting displays and PhD disertations to building Python, Ruby, and Wordpress websites for several businesses I've been programming for a decade.

TECH STACK

- Python   - HTML5
- MySQL   - CSS3
- Flask   - Sass
- jQuery   - JavaScript
- APIs   - Bootstrap

ALSO WORKED WITH
- ReactJS   - Ruby
- NodeJS   - Rails
- Redux   - C/C++

EDUCATION

Free Code Camp (🔥)

- JS Algorithms & Data Structures
- Python Scientific Computing

Texas A&M University

Master of Science Computer Science, AI & Robotics

University of Texas at Tyler

Bachelor of Science Electrical Engineering

FUN FACTS

- House Flipper
- <3 2 Wheels & No Motor
- Biked 500mi for MS
- Electrical Engineer for 5yrs
- Learning Spanish
- Lived 2yrs in a RV

PROJECTS

REAL Portfolio
Web Application
- Engineering a portfolio interface for real estate investors and partners
- Completing full design documentation from UX to database structure
- Utilizing: MongoDB, Express, React, Node, JavaScript, Git, Sass, Bulma

ShawnKristek.com
Web Application
- Designed and developed an interactive responsive portfolio
- Prototyped initial app with JSON then updated to SQLite
- Utilized: Python, Flask, JavaScript, HTML5, CSS3, Sass, Bootstrap, SQLite

Quotivation
Web Application
- Developed a random quote machine with share to Twitter feature
- Utilized: JavaScript, jQuery, HTML5, CSS3, Twitter API, Bootstrap

Orienting Deformable Polygonal Parts Without Sensors
Masters Thesis
- Developed a reverse kinematics API to control robotic arms with 7DOF
- Completed a scientific study of orienting dollar bills
- Coded a sixty page thesis using LaTex typsetting
- Constructed and debugged a dozen robotic arms
- Utilized: C and C++ programming, Git, Linux bash, Custom microcontrollers, LaTeX typesetting

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Weatherford International
Electrical Engineer
- Refined hardware design objectives received from sales team
- Developed schematic designs and optimized PCB layouts
- Collaborated with test engineers, manufacturing to resolve issues, extend aging products, and validate new designs.