

# Dani Dolan

☎ 281-975-7392   ✉ danidolan757@gmail.com   📍 Houston, TX   🌐 <https://github.com/Dani-Dolan>  
in [linkedin.com/in/dani-dolan](https://www.linkedin.com/in/dani-dolan)   🖱 [danidolan.com](https://danidolan.com)

## EDUCATION

Dec 2019  
College Station, TX

**Bachelor of Science in Geophysics, Texas A&M University**

## PROFESSIONAL EXPERIENCE

May 2021 – present  
San Francisco, CA

### QA Automation Engineer II, Juniper Square [🔗](#)

- Utilized automation frameworks to test the complete flow of the application, from the UI to the API level, ensuring that all features and functionality were working correctly
- Implemented a visual testing framework, from initial proof of concept to integration within the CI/CD pipeline
- Directed and coached manual QA team members in coding and automation skills through one-on-one instruction and classroom-style training
- Migrated E2E testing environment from local Docker to a distributed AWS cloud-based setup utilizing Kubernetes orchestration
- Utilized Puppeteer's headless Chrome functionality to automate website loading and Lighthouse's automated audit features to generate detailed reports on website performance, accessibility, and best practices

Jun 2020 – Mar 2021  
Madison, WI

### Software Engineer Intern, TDS Telecom [🔗](#)

- Updated content and automated GIS data management tasks by developing Python scripts using ArcGIS REST API
- Delivered department-wide emails with file attachments using an SMTP server running on an asynchronous task queue
- Increased productivity of three interns through training on current project best practices
- Collaborated with a cross-functional agile team of software engineers on development, deployment, and troubleshooting
- Built a fully functional interactive dashboard from GIS map data using HTML, JavaScript, and Arcade
- Reduced project time by developing potential geospatial data engineering solutions and applications for outside departments

## SKILLS

### Programming Languages

JavaScript, Java, TypeScript, Python, HTML/CSS, SQL, Bash

### Methods

Git Version Control , Agile Development , Object Oriented Design , CI/CD , SDLC

### Frameworks

React , Cypress , Puppeteer , Playwright , Artillery , k6 , testkube , Selenium , Node.js , Junit/TestNG , Applitools

### Technologies and Applications

AWS , VS Code , Docker , Kubernetes , Postico , Postman , GitHub Actions , CircleCI , Jira , TestRail

## PROJECTS

### AI Learns to Play a Game [🔗](#)

- Implemented JavaScript neural network library and a genetic algorithm to train an agent to play Flappy Bird
- Integrated neuroevolution of augmenting topologies by reinforcement learning algorithms on an agent

### Calypso Theme [🔗](#)

- A cyber-futuristic theme for VS Code, Sublime Text, Atom, iTerm, and more. Available on Visual Studio Marketplace

### Spotify Connected Web App

- App built with React, Node.js, and Express for visualizing personalized Spotify data such as top artists, tracks, recommendations, and audio features
- Implemented the Spotify OAuth flow with JavaScript and retrieved data from the Spotify API in a React app