

# Dani Dolan

☎ 281-975-7392 ✉ danidolan757@gmail.com 🌐 github.com/Dani-Dolan in linkedin.com/in/dani-dolan  
🖱 danidolan.netlify.app/

## EDUCATION

Dec 2019 **Bachelor of Science in Geophysics, Texas A&M University**  
College Station, TX

## 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

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- 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

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- 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

## INTERESTS

- Hiking, Baking, Yoga, Cooking, Gardening