Angela **Guardia**
Software Engineer

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🐙 github.com/angelaguardia

SKILLS

Programming Languages:	Ruby, HTML/CSS, SQL, Python, C
Frameworks/Databases:	Rails, PostgreSQL
TDD:	RSpec, Minitest, Capybara, Shoulda-Matchers, FactoryBot
Technologies/Tools:	GitHub/Git, ActiveRecord, Heroku, JSON, TravisCI, Bootstrap
Concepts:	OOP, REST, GraphQL, MVC, Mocks & Stubs, SOA

WORK EXPERIENCE

Project Engineer | KSI Engineering, Inc. | Bakersfield, CA, United States   Apr 2018 - Jul 2019
- Lead cross-functional teams of designers and drafters to create construction engineering packages for oil and gas well-pad facility projects
- Performed sizing calculations and stress simulations of mechanical equipment to ensure design feasibility

Field Engineer | Enbridge, Inc. | Fort St. John, BC, Canada   Oct 2017 - Mar 2018
- Wrote technical mechanical engineering design documents to repair or place mechanical components in the 0.7BSCFD natural gas processing plant

Measurement Engineer | Enbridge, Inc. | Calgary, AB, Canada   Jul 2016 - Sept 2017
- Completed detailed documentation of all custody transfer points in the Western Canada gathering system (over 600) by gathering information from systems such as SAP, GIS, and SCADA

PROJECTS

My Solar Garden | Group Project | solar-garden-fe.herokuapp.com
- Impact-driven IoT application that allows users to get real-time information from their gardens via sensors
- Created a Python script to connect GrovePi sensors to a production database
- Built RESTful API endpoints to expose sensor data to users
- Tech Stack: Ruby, Rails, Python, RSpec, PostgreSQL, Heroku, TravisCI, REST, MVC, Service/Facade Design

Viewing Party | Paired Project | viewing-party-ac.herokuapp.com
- Web application that allows users to browse movies and schedule watch parties with friends
- Consumed The Movie Database API to get all movie information
- Wrote unit, integration, and system tests to achieve 99% coverage
- Tech Stack: Ruby, Rails, RSpec, PostgreSQL, Heroku, TravisCI, Bcrypt, Webmock, VCR

Circulate | Open Source Project | Ruby for Good Conference | circulate-staging.herokuapp.com
- Operating system for lending libraries currently servicing the Chicago Tool Library
- Collaborated with senior devs to build a Holds and Loans page with a fully working "Checked-out Items" table
- Tech Stack: Ruby, Rails, Minitest, FactoryBot, PostgreSQL, ActiveRecord, Heroku

Sweater Weather | Solo Project | github.com/AngelaGuardia/sweater_weather
- Backend API for a road trip planning app that returns a trip's details and the weather forecast for the destination
- Exposed 5 endpoints aggregating data from multiple external APIs
- Tech Stack: Ruby, Rails, RSpec, PostgreSQL, REST, MVC, Service/Facade Design

EDUCATION

Turing School of Software and Design | Back-End Software Engineering   May 2020 - Jan 2021
University of Alberta | BSc. Mechanical Engineering - Biomedical Option   Sep 2011 - Apr 2016

VOLUNTEERING

Volunteer | Code for Venezuela
Non-profit organization passionate about creating tech solutions to Venezuela's most pressing needs