

THOMAS NIEUWENHUIS

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SOFTWARE DEVELOPER

SKILLS

Frameworks/Languages

- Ruby
- Rails
- ActiveRecord
- SQL
- Javascript
- HTML/CSS
- Sinatra
- Bootstrap

Systems/Practices

- Git/Version Control
- API Consumption & Development
- Test Driven Development
- Project Management

Soft Skills

- Team-Oriented
- People-first attitude
- Leadership
- Adaptability
- Problem-solving
- Attention to detail

EDUCATION

Turing School of Software & Design

Backend Engineering Software Development - 2021

United States Air Force

Officer Training School - 2016

University of Vermont

BS in Environmental Sciences;
Geospatial Technologies - 2014

PROJECTS

WeatherVine

<https://github.com/WeatherVine>

WeatherVine is an educational web application for consumers to see how climate may have impacted the wine they drink. The service-oriented architecture consists of a series of four sub-applications and Sinatra microservices, which consume and expose several APIs.

Tech: Rails, Heroku, Postgres, Bootstrap, Sinatra

Viewing Party

<https://viewing-party-2011.herokuapp.com>

Viewing party is an application in which users can explore movie options and create a viewing party event for the user and friends. Movie data is provided through the consumption of an external movie database API.

Tech: Rails, Heroku, Postgres, Bootstrap

Rails Engine

<https://github.com/tsniewen/rails-engine>

Rails engine is a project that exposes API endpoints for a mock E-Commerce Application.

Tech: Rails, API

Battleship

<https://github.com/tsniewen/battleship>

Battleship was one of the first projects I worked on at Turing. It is a ruby-focused project which highlights the principles of object-oriented programming. After setting up the repo, the user can play the traditional Battleship board game against the "computer" within the terminal environment.

Tech: Ruby

WORK EXPERIENCE

United States Air Force, Flight Commander

08/2016-10/2020

- Revamped squadron training program for new accessions. Built 14 lesson plans, cut schedule requirements by 67%, saved 960 hours of annual training time at no expense to operations/product quality.
- Directed tasking for \$3.2B National/Coalition Space Surveillance Network in order to maintain custody of 22K+ satellites and debris objects orbiting Earth; allowing for uninterrupted use of space/satellites and public way of life.

Coneco Engineers & Scientists, Inc, Environmental Consultant

08/2014-05/2016

Town of Williston, Conservation Commission Intern

Summers 2013, 2014

- Developed an algorithm with geospatial data and SQL queries to identify parcels of land in Williston, VT that were strong candidates for public conservation, based on a variety of ecological factors.

University of Vermont Spatial Analysis Lab, GIS Analyst

09/2013-05/2014