

TAMARA DOWIS

SOFTWARE ENGINEER

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- REST
 - PostgreSQL
 - TDD
 - OOP
 - Ruby on Rails
 - TypeScript
 - Node / Express
 - JavaScript
 - MVC
 - Agile Development
 - Git Version Control
 - Project Management
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PROJECTS

Adventure Life RESTful API: Solo project | 40 work hours

TypeScript | Node | Knex | Objection | Swagger | Postman

RESTful API that exposes the database from a fictitious travel agency via 20 RESTful endpoints.

Whether Sweater API: Solo project | 40 work hours

Ruby | Rails | Bcrypt | Figaro | Faraday | Webmock | Postman

API that exposes 4 endpoints using data aggregated from the consumption of data from the MapQuest, OpenWeather, and Yelp Fusion APIs. Incorporates 2 additional endpoints for a user to create an account and log in securely.

SpinSpot News API: Group project | 75 work hours

Ruby | Rails | Bootstrap | OAuth2 | Heroku

An application that aims to expose bias in news reporting. Keywords are used to consume news data from an external endpoint. News reports from 3 separate politically leaning sources are selected and filtered through an article summarising API endpoint.

Little Esty Shop | Little Esty Bulk Discounts: Group project with solo phase | 100 work hours

Ruby | Rails | RSpec | ActiveRecord | Heroku | HTML | CSS

Fictitious e-commerce platform using MVC architecture and RESTful routing that allows merchants and administrators the ability to manage inventory and fulfill customer invoices. Incorporated advanced PostgreSQL & Active Record techniques to perform complex database queries.

SELECT PROFESSIONAL EXPERIENCE

Science Teacher | Shen Wai International School - American School Foundation - SCHS 7/2016 - 7/2021

- Designed and taught engaging and inclusive international baccalaureate science (biology, physics, chemistry) curriculums focused on project-based learning, inquiry labs, and global citizenship.

- Served as a technology specialist by researching educational technologies, advocating to incorporate the use of these technologies in classrooms, and training teachers on best practices.

Project Manager | SolarAid

7/2008 - 6/2009

- Moved into a country with no previous project exposure and built a successful solar power franchising network to help empower women and other disadvantaged people living in very rural areas of Kenya.

- Collaborated with local leaders to develop self-sustaining programs for solar power development in local schools.

EDUCATION

Back End Engineering Certificate | Turing School of Software Design

June 2022

7-month ACCT-accredited program with 1500+ project hours

Served on the Student Leadership Committee and as a mentor

Bachelor of Science With Honours in Biology Ed | Kennesaw State University

May 2015

Served on the STEM education committee

Certificate in Global Affairs | New York University

August 2006