ANGEL   {Margaret Ralston}

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mobile #   project site / blog / portfolio   project code & sample code

Currently in the University of Washington Coding Boot Camp (full-time) focusing on full-stack development. Building applications using React, MongoDB or MySQL, and more.

TECH

- PHP / HTML / CSS & SCSS
  - Including Bootstrap, Materialize
- JavaScript / jQuery
- NodeJS
- WordPress / theme & plugin development
  - Gutenberg, classic, Divi
- LAMP-stack
- Gulp
- Git + GitHub – terminal & GitKraken
- MySQL / SQL / MongoDB
- Some familiarity with Three.js and Babylon.js, and Chart.js

- API utilization
  - Including: *Accesso* SiriusWare, *Google* Civic Information, *Azavea* Cicero Legislative Data
- Stripe integration with WooCommerce
- Systems Center Configuration Manager (SCCM / Endpoint Config Manager)
- Adobe CC
  - Photoshop, Illustrator, InDesign; Acrobat, XD, Dimension

BOOT CAMP PROJECTS

- **ParkSky** (https://parksky.49northwest.com/)**:** a front-end application built for boot camp project 1. We used three APIs – the National Parks Service (NPS) API provides park data including entrance fees and operating hours, and NASA's Near-Earth Object Warnings (NeoWs) API for a list of asteroids passing close to Earth on any given day. We used the Wikipedia API to pull the summary for each park to provide additional data on the Park Details page. The application also integrates a star chart and provides detailed data included star-/sun-/moon-/planet-rise & -set times. I was the team lead and primarily responsible for developing the functionality and API integration.
- **Despensa** (https://quiet-sands-24336.herokuapp.com/)**:** a full-stack application built for boot camp project 2. The stack required was MongoDB, Express, and Handlebars. I was lead on the front-end, but provided assistance on the back-end and led several trouble-shooting pair/group programming sessions. We used the Open Food API to guide our database structure, and will be updating the application to include barcode scanning to allow easier input of food. **Test acct:** guest@email.com / password
- **Weather Dashboard** (https://skelliebunnie.github.io/uw-w3-weather/)**:** an early homework assignment using the Open Weather API to build a simple weather dashboard that allows searching and preserves a list of the 10 most recently searched locations that also act as a navigation list. Currently working on an update to include location suggestions as the user types in the search bar.

IT Technician – Software Support (& web developer)
Pacific Science Center // April 2017 – October 2020; Independent Contractor starting October 2020

- Working with Marketing to improve and update the PacSci website. Improvements include decreasing page load speed by up to 4 seconds, creating custom-coded solutions such as donation buttons in a CTA that auto-select the chosen amount on the donate page, and addressing other requests as necessary.

- Saved the organization upwards of $50,000 by building a custom WordPress plugin to pull ticket data from our *accesso* Siriusware Sales database using the associated API. Scheduled tasks keep the site up-to-date within minutes of changes; manual updates can also be run if necessary.

- Saved the organization ~$3000 by working with HR to customize the new recruitment platform and documenting the basic process for building task groups & automating processes.

- Designed & built a custom web app to send out event alerts and meeting invitations to various event / department calendars as well as individuals, as selected by the user. 8-10 alerts sent out on average every week.

- Built a custom web app to pull legislative district data for guest / account addresses for reporting purposes. Recently used to process more than 87,800 addresses for a 2-year report requested by the president's office. Legislative data is retrieved from the Google Civic Information API and Azavea's Cicero API.

- Configured a WordPress website "portal" for the board of directors, to be administrated by the chief of staff and her assistant. Includes a calendar for board meetings & events and a directory of board members, among other informational pages.

- Provided assistance to approximately 400 staff and volunteers with tech needs ranging from software installations to running new phone lines. Responsible for configuring all Raspberry Pi devices used for digital signage (10+). Assisted with the imaging of up to 170 laptops for summer / winter camps.

- Wrote 10+ PowerShell modules and a number of scripts to automate various process and tasks, ranging from getting information about a remote computer to batch-creating/-updating user accounts.

IT Support IV
Skagit Valley College // August 2014 – April 2017

- Created a Student Portal for the Whidbey campus for kiosks, to simplify the process of accessing a collection of the most-used pages on the Student Toolbox site. Designed & built the site based on discussions with the head of registration. Early 2019, still in use on most kiosks across campus.

- Assisted with the creation & expansion of an internal wiki for the IT department at Whidbey campus.

- Built software packages for silent deployment through Symantec Altiris, and documented the process for each package.

- Assisted with various projects, including classroom cabling and computer re-imaging projects that included 10-140 computers.

EDUCATION

B.A. English: Writing, Rhetoric, & Culture // *University of Puget Sound*   graduated 2013
Cambridge English Language Teaching for Adults // *ELS Language Center*   certified 2012
MIT: Graphic Arts Certificate && A.A // *Skagit Valley College*   completed 2010