Alexander Burciaga-Thompson

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Website: https://alithom123.github.io/Portfolio/

SUMMARY

Full-stack devloper with three years experience working on a small development team where taking ownership, collaboration, and flexibility are crucial. Proven ability to quickly learn new frameworks and technologies that can be applied to the problem at hand. Straightforward, honest, and easygoing communicator that thrives in a team environment. Eager to both learn from senior developers and mentor less experienced coders. Resourceful problem solver constantly curious how to apply the latest technology to existing problems. Eager to use automation to remove pain points and save employees from mundane time-consuming tasks.

TECHNICAL SKILLS

Node.Js, JavaScript, React.js, Express, MongoDB, PHP, MySQL, jQuery, Wordpress, Firebase, GIT, GitHub, HTML, CSS, Bootstrap, Objective C, APIs, JSON, REST, AJAX, SEO, Drupal, Symfony, the command line, computer science fundamentals, MongoDB.

Additional Skills: Project Management, SEO, Writing Software for Automated Systems (Hardware), Technical Writing, Artificial Intelligence, Matlab.

PROJECTS

BetterCopy | **https://github.com/alithom123/BetterCopy** | **https://alithom123.github.io/BetterCopy/**
Creator

A single page web application that looks up synonyms as you type so you can write better copy without leaving the page. Copywriters no longer have to open new tabs and disrupt their train of thought.
- Accessed a Thesaurus API using jQuery & JavaScript.
- Styled the application using Bootstrap.

Mitch | **https://github.com/alithom123/mitch**   **Creator**

A chrome extension that makes you snort-laugh with a Mitch Hedberg joke every time you open a new tab. Every tab in chrome opens to a splash screen with Mitch Hedberg joke to lift your mood.
- Utilized the Chrome API to store and retrieve a database of jokes.
- Used Bootstrap, CSS, jQuery, and JavaScript to create a dynamic splash page.

workweekers | **https://github.com/alithom123/workweekers**   **Creator**

A chrome extension to give you mantras specifically designed for the office in every new chrome tab. Every tab opens to a splash screen with a different scenic view and a mantra to get you through the grind of working at a big corporation.
- Utilized the Unsplash API to retrieve a different splash screen image for every new tab.
- Utilized the Chrome API to store and retrieve from a database of mantras.
- Used Bootstrap, CSS, jQuery, and JavaScript to create a dynamic splash page.

TrailGuide | **https://github.com/BrielleCarvalho/Hiking-Project** | **https://pure-hamlet-13851.herokuapp.com/**
Co-Creator

A web application created in the UT's Full Stack Web Development Bootcamp to showcase Austin's best trails.
- Created the API using Node.Js and Express to perform CRUD on trail data.
- Helped create the framework for the front-end using Materialize.

EXPERIENCE

Marketing Technologist – *500 Rockets Marketing* **–** Austin, TX   **2019**

Write keyword focused "how to" articles about database technology (MongoDB, CockroachDB, ElasticSearch, PostgreSQL, Redis) for a DBaaS client. Manage freelance content creators to make sure articles meet quality standards. Optimize existing websites for SEO and analyzed rankings for SEO opportunities. Build new client websites using the Wordpress framework. Create scripts to automate repetitive tasks in our worflow including creating order forms in Excel and obtaining a list of SEO keywords we've already targeted.

Key Accomplishments:

- Oversaw the creation of over 100 database "how-to" articles per month used as SEO pages.
- Created SEO reports that showed the results of our SEO efforts.

PHP & iOS Developer – *Leading Reach* **–** Austin, TX   **2013 - 2016**

One of only three developers responsible for the LeadingReach web app (Symfony, PHP, MySQL, Nginx, AngularJS) aimed at replacing the fax machine for patient referrals. Responsibilites included developing API routes, utilizing third party API's (Twilio, Postman), database management, and validation. A backend developer for the initial web app (Drupal, MySQL) and one of two developers that created the accompanying iPad app.

Key Accomplishments:

- Integrated web application with the Postmark API to deliver emails.
- Created API endpoints using the Symfony 2.0 framework.
- Created the "LeadingReach" iPad app in the App Store for a lead collection for trade shows.
- Maintained the integrity of they MySQL database.

Electrical Engineer – *Redding Linden Burr* **–** Houston, TX   **2011 - 2012**

Designed power distribution systems for construction projects to satisfy applicable building codes (NEC, IBC, IECC, IFC). Coordinated with mechanical and plumbing engineers to ensure proper power was delivered to all equipment (HVAC). Surveyed existing power distribution conditions, lighting, and fire alarms for use in new design. Drafted design documents in AutoCAD 2012 maintaining company drawing standards.

Key Accomplishments:

- Coordinated with Architects to make sure their lighting designs did not exceed wattage per square foot allotment in city code.
- Consistently provided accurate and detailed survey of existing power system which allowed for proper accurate electrical design.

LabView Developer – *CACI* **–** San Antonio, TX   **2010**

Followed Test Design Document to created automated tests in TestStand utilizing existing LabView Drivers. Created new LabView drivers for PXI embedded controller.

Key Accomplishments:

- Designed LabVIEW Drivers for USB controlled relay board by NCD. Utilized a PXI system with embedded controller.
- Designed LabVIEW Drivers for USB controlled relay board by NCD.

- Utilized a PXI system with embedded controller.

EDUCATION

University of Texas at Austin, Austin, TX – Full Stack Web Development Bootcamp
University of Texas at Austin, Austin, TX – B.S. Electrical Engineering
Texas A&M University, College Station, TX – Computer Engineering - Electrical Track