

Alexander Burciaga-Thompson

Email: alithom123@gmail.com | Phone: 915-253-9120 | Austin, TX 78744

Github: <https://github.com/alithom123> | LinkedIn: <https://www.linkedin.com/in/alex-thompson123/> |
Portfolio: [Add Portfolio](#)

Full-stack developer with three years of experience working on a small development team where taking ownership, collaboration, and flexibility are crucial. A degreed Electrical Engineer with experience writing software for a wide-range of applications including automated test systems, machine learning, web development, and iPad apps. Accomplished with web-technologies & frameworks including Javascript, React, PHP, CSS, HTML, Drupal, Symfony, and Wordpress. A relentless problem-solver passionate about using API's and integrating technologies to deliver creative solutions to common problems.

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

APPLICATIONS BUILT

BetterCopy

- A single page web application that looks up synonyms as you type and search for inspiration without leaving the page.
- Accessed a Thesaurus API using jQuery & Javascript.
- Used Bootstrap to style the application.
- <https://github.com/alithom123/BetterCopy>
- <https://alithom123.github.io/BetterCopy/>

mitch

- A chrome extension that makes you snort-laugh with a Mitch Hedberg one-liner 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.
- <https://github.com/alithom123/mitch>

workweekers

- A chrome extension to give you mantras specifically designed for the office in every new chrome tab.
- Every tab in chrome 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.
- <https://github.com/alithom123/workweekers>

RELEVANT EXPERIENCE

500 Rockets Marketing, Austin, TX

Marketing Technologist, 2019

Optimize existing websites for SEO. Build new client websites using the Wordpress framework. Research then write content about databases for large client site. Use SEO analysis tools to evaluate a websites ranking and assess SEO opportunities. Use web-technologies Javascript, jQuery, Chrome Extensions to automate repetitive tasks in our workflow (pushing data to Monday.com api).

Selected Contributions:

- Built Chrome Extension to collect research and push to Monday.com.
- Created SEO reports that showed the results of our SEO efforts.
- Oversaw the creation of over 100 blog posts about MongoDB used as SEO pages for a DBaaS client.

LeadingReach, Austin, TX

PHP & iOS Developer , 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. Responsibilities included everything including developing API routes, utilizing third party API's, 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.

Selected Contributions:

- 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 the MySQL database.

Redding Linden Burr, Houston, TX

Electrical Engineer, 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.

Selected Contributions:

- Determine and include 3-5 bulleted achievements, e.g., process improvements, metrics, awards.
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CACI, San Antonio, TX

Software Engineer, 2010

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

Selected Contributions:

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

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Symtx, Austin, TX

Project Engineer, 2006-2009

Created automated tests for aviation electronics using LabView to create the individual tests and TestStand to sequence and record results of tests. Conferred with mechanical engineers to integrated the hardware and software into a working solution.

Selected Contributions:

- ELDEC - Coded and Integrated ATS for Proximity Sensor Control Interface Unit used in A320, A330, & A340 aircrafts.
- BAE - Coded and Integrated ATS for a Heads-Up Display Tester using NI PXI video. Designed custom GUI to promote ease of use and enhance familiarity to user.
- Lithion - Extended existing One-Cell Battery Monitor Software including communications, reporting, and configura- tions to accommodate nine battery cells. Designed new GUI to consolidate large amount of information and operator selections.
- Lockheed - Coded and Integrated ATS for a Satellite Tester verifying grounded points, point-to-point connectivity, and communications. Utilized NI PXI relay, DIO, and DMM modules as well as oscilloscope, power supplies, and VXI relays to sequence the test.Determine and include 3-5 bulleted achievements, e.g., process improvements, metrics, awards.

ADDITIONAL WORK EXPERIENCE

DO I NEED THIS?

Company, City, State

Job Title, Year - Year If recent

Add a 3-5 sentence description here of your responsibilities; ensure these are relevant to target role.

EDUCATION

University of Texas at Austin, Austin, TX

Full Stack Web Development Bootcamp

An intensive 24-week long boot camp dedicated to designing and building web applications. Skills learned consisted of HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handlebars JS, & React Js.

University of Texas at Austin, Austin, TX

B.S. Electrical Engineering

Focused on software for microcontrollers and image processing algorithms.

Texas A&M, College Station, TX

Electrical Engineering

Courses in the foundations of engineering and fundamentals of computer science.

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SUMMARY

Full-stack developer with three years of experience working on a small development team where taking ownership, collaboration, and flexibility are crucial. A degreed Electrical Engineer with experience writing software for a wide-range of applications including automated test systems, machine learning, web development, and iPad apps. Accomplished with web-technologies & frameworks including Javascript, React, PHP, CSS, HTML, Drupal, Symfony, and Wordpress. A relentless problem-solver passionate about using API's and integrating technologies to deliver creative solutions to common problems. [Full Stack Web Developer able to build a sophisticated website with full database backend all the way from mockup to rollout. Adept at working with diverse teams to implement projects.]

TECHNICAL SKILLS

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

OTHERS/* ??? *///,, Media Queries, the command line, computer science fundamentals, writing tests

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 and search for inspiration without leaving the page.

- Lets a writer quickly search for better words without opening new tabs and disrupting their train of thought.
- Accessed a Thesaurus API using jQuery & Javascript.
- Used Bootstrap to style the application.

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

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EXPERIENCE

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EDUCATION

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Texas A&M University, College Station, TX – Computer Engineering - Electrical Track

University of Texas at Austin, Austin, TX – Full Stack Web Development Bootcamp