

Zachary B. Thompson

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SUMMARY

Recent graduate seeking a career in web development. Passionate and creative problem solver experienced in collaborating with customers to meet their engineering needs and working with teams to achieve goals. Motivated self-starter and accomplished project leader.

EDUCATION

The University of New Mexico

Albuquerque, NM

Master of Business Administration – July 2017

- GPA: 3.94
- Group Project: Created a market research and product development plan for a local company in Santa Fe, NM pertaining to their future product review website.

Bachelor of Science in Mechanical Engineering – December 2016

- GPA: 3.62
- Group Project: Worked with a team to design and construct a transport vehicle intended to carry heavy loads across all terrains. Created for use in the landscaping and construction fields.
- This degree included classes focused on using computer programming to solve engineering problems.

freeCodeCamp/Lynda.com: Front-End Web Development – In Progress

- Learning to develop responsive web pages. Developed several web pages on CodePen and GitHub. Personal portfolio website coded from scratch can be found here: www.zbthompson.com

EXPERIENCE

Freelance Web Developer

Albuquerque, NM

Upwork/GitHub Projects

Present

- Converted data from a spreadsheet to an HTML format.
- Created a web page that the user can generate random famous quotes from an API source and tweet these quotes. Uses JavaScript/jQuery to perform these functions.
- Created a web page that gathers local weather information from an API source and posts the current outside temperature. Uses JavaScript/jQuery to convert the temperature from Fahrenheit to Celsius and to change the background photo based on the temperature.
- Created a web page that searches Wikipedia articles in which the user can select the article and go to its source page. The user can also generate random articles as well. Uses JavaScript/jQuery to perform these functions.

Engineering Intern

Albuquerque, NM

Sandia National Labs

2016 - 2017

- Project lead on a 4-year energy audit for an office building, which entailed interviewing building operators, investigating energy consumption, and updating facilities data.
- Developed a self-initiated instruction manual for updating CAD drawings.
- Created a guidance document that informed customers on how to deal with temperature disparity issues.
- Assisted in weekly budget review analysis using pivot tables.
- Requested service orders from outside contractors to resolve HVAC-based issues.

Engineering Intern

Tempur-Sealy International

Albuquerque, NM

2016

- Aided in the analysis of the company's existing mattress-building machinery.
- Researched future options for buying and installing new machines.

Engineering Intern

Fiore Industries, Inc.

Albuquerque, NM

2015

- Designed and manufactured parts of a prosthetic arm using CAD and a 3D printer.
- Analyzed the heat transfer of a cooling system for a large antenna using COMSOL Multiphysics.

HONORS / AWARDS

- Presidential Scholarship, University of New Mexico
- Dean's List, University of New Mexico

TECHNICAL SKILLS

- | | |
|----------------|--|
| • HTML5 | • Python |
| • CSS3 | • Git/GitHub |
| • JavaScript | • Microsoft Word |
| • jQuery | • Microsoft PowerPoint |
| • Bootstrap JS | • Microsoft Excel (including pivot tables) |
| • React JS | |