

# Zachary B. Thompson

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## SUMMARY

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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. Also a motivated self-starter and accomplished project leader.

## EDUCATION

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### 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**: Front-End Web Development – In Progress

- Learning to develop web pages using HTML, CSS, JavaScript, Bootstrap, and jQuery. Developed several responsive web pages on CodePen. Portfolio can be found here: [codepen.io/zbthompson93/full/YQqwyp/](https://codepen.io/zbthompson93/full/YQqwyp/)

## EXPERIENCE

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### Freelance Web Developer

Albuquerque, NM

Upwork

Present

- Converted data from a spreadsheet to an HTML format.

### 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

Albuquerque, NM

Tempur-Sealy International

2016

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

### Engineering Intern

Albuquerque, NM

Fiore Industries, Inc.

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***

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Presidential Scholarship, University of New Mexico

## ***TECHNICAL SKILLS***

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Proficient in Word, PowerPoint, Excel (including pivot tables), MATLAB, JavaScript, CSS3, HTML5, Bootstrap JS, PTC Creo, SolidWorks, Simplify 3D printing, MicroStation