

LaTeX Example Doc

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CS 800

Current draft: 2/9/26 at 8:15pm EDT

Look at the source main.tex to see how this is done.

1 URIs

This is a formatted, clickable link to my webpage: <https://spartansold.github.io/#>

2 Images

All figures must have a caption and must be referenced in the text. See the example below.

Figure 1 shows an original PNG with no scaling or cropping. The original dimensions are 1484 x 1171 (or, 3in x 2.4in). Figure 2 shows an example of cropping the image using the `trim`, `clip` options to `includegraphics`.

Figure 3 shows the same cropping as Figure 2 but scaled up. It's blurry because the original image (Figure 1 was a low resolution.)

We can insert PDFs into the document in the same way as images. Figure 4 is the first page of an academic paper. I've added the `\frame` command to show where the boundaries are. Figure 5 shows the margins trimmed off so that the text can be larger (scaled up).

3 Quotation Marks

Quotation marks are weird in LaTeX. Here's using "double quotes". *Not quite right*. Here's the "proper way". It's two backticks and two single quotes: ``proper way''

4 Tables

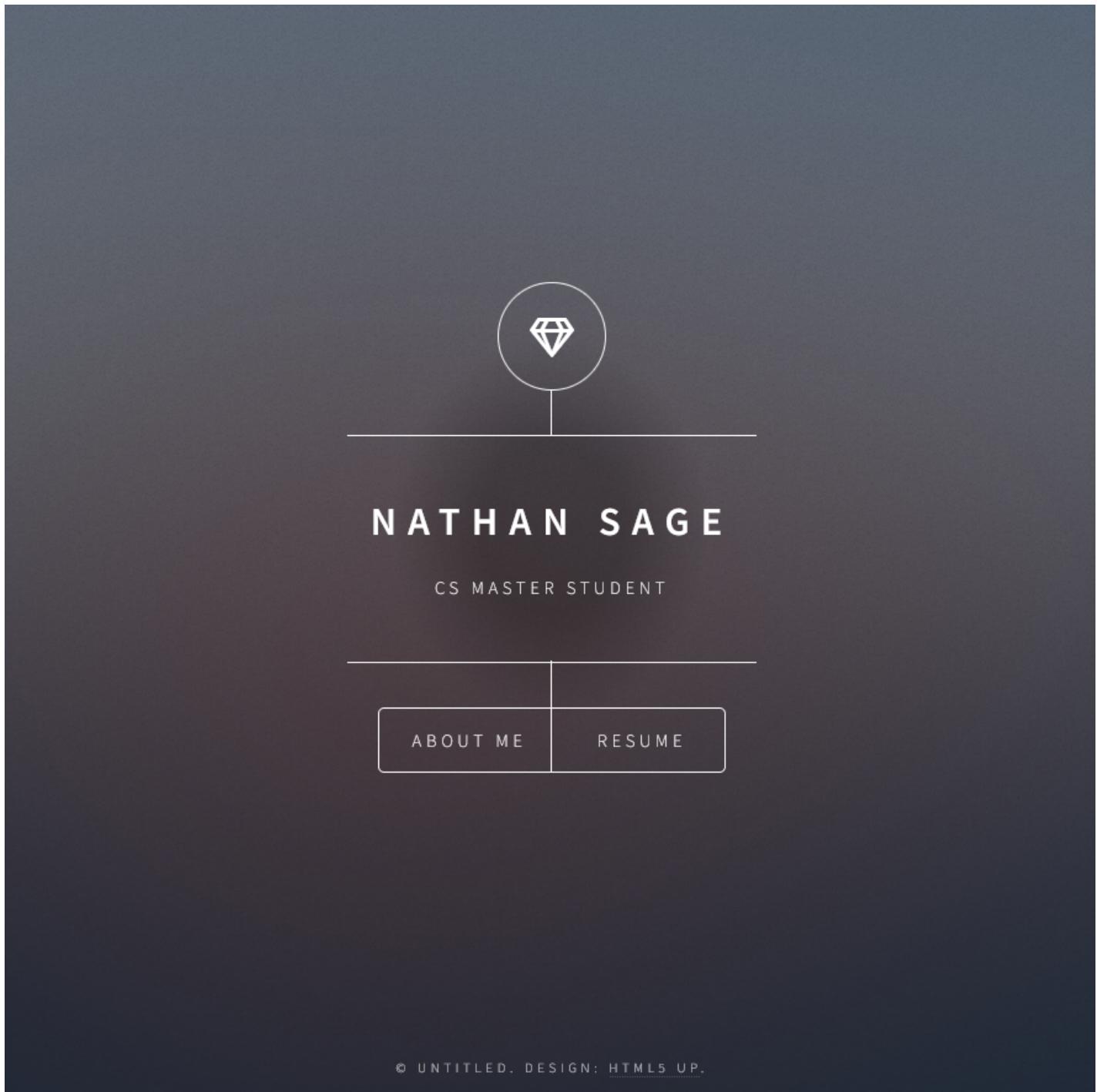
Table 1 shows a simple example table. Table 2 shows an example confusion matrix from https://en.wikipedia.org/wiki/Confusion_matrix. This employs rows that span multiple columns (multicolumn) and columns that span multiple rows (multirow).

Table 1: Simple Table

| Week | Date | Topic |
|------|------------|---|
| 1 | Sep 1, 3 | Introduction, What's Vis and Why Do It? |
| 2 | Sep 8, 10 | Data and Data Cleaning |
| 3 | Sep 15, 17 | Marks and Channels |

Table 2: Example Confusion Matrix from Wikipedia

| | | Actual | |
|-----------|-----|--------|--------|
| | | Cat | Dog |
| Predicted | Cat | 5 (TP) | 3 (FP) |
| | Dog | 2 (FN) | 3 (TN) |

**Figure 1:** Original PNG

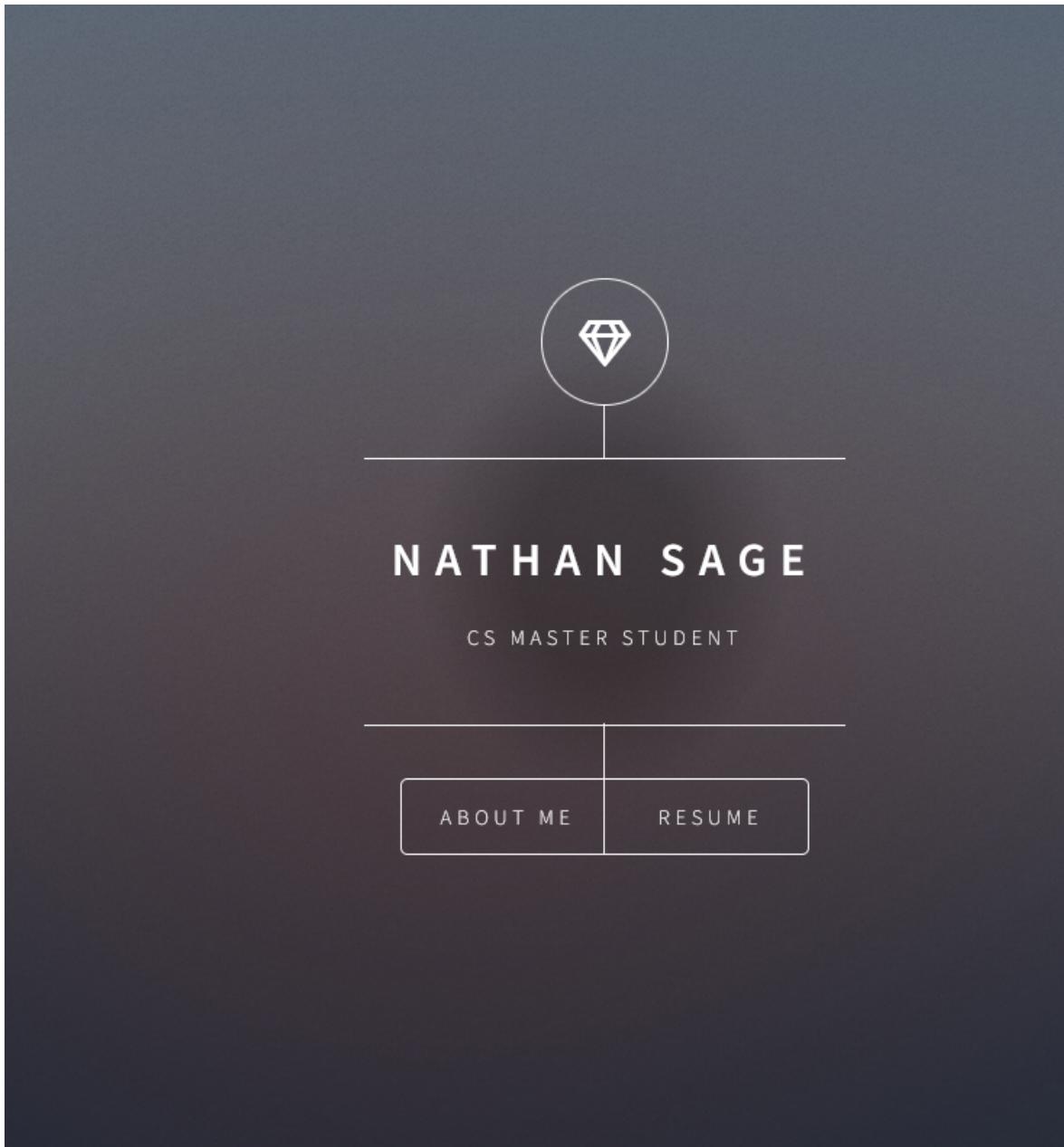


Figure 2: Cropped PNG - 0.25in from left, 0.5in from bottom, 1in from right, 0.3in from top

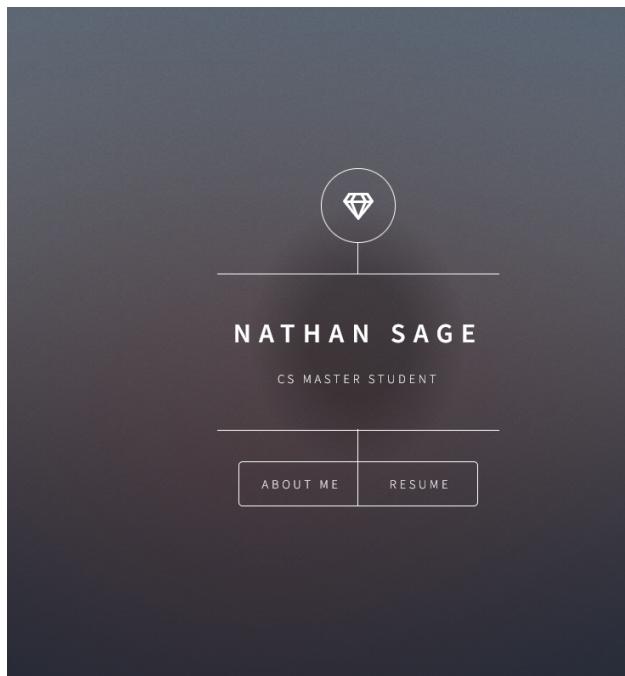


Figure 3: Cropped and scaled PNG

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2025

Uncertainty-Aware Deep Learning Framework for Forecasting Coastal Water Level in Virginia Beach

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<https://www.climatechange.ai/papers/iclr2025/49>

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Figure 4: Inserted PDF

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Figure 5: Trimmed PDF