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 (multicol) 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)

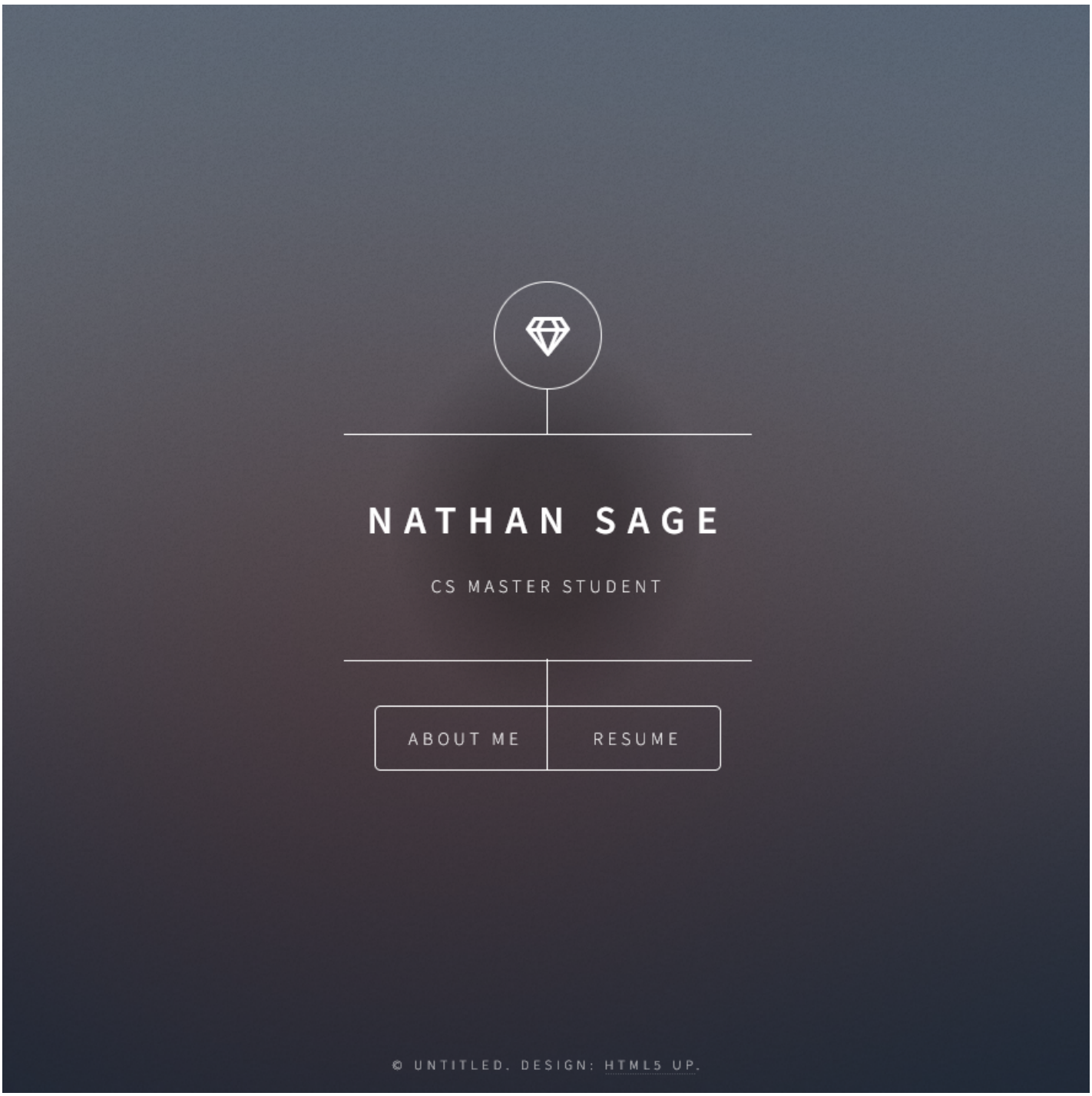


Figure 1: Original PNG

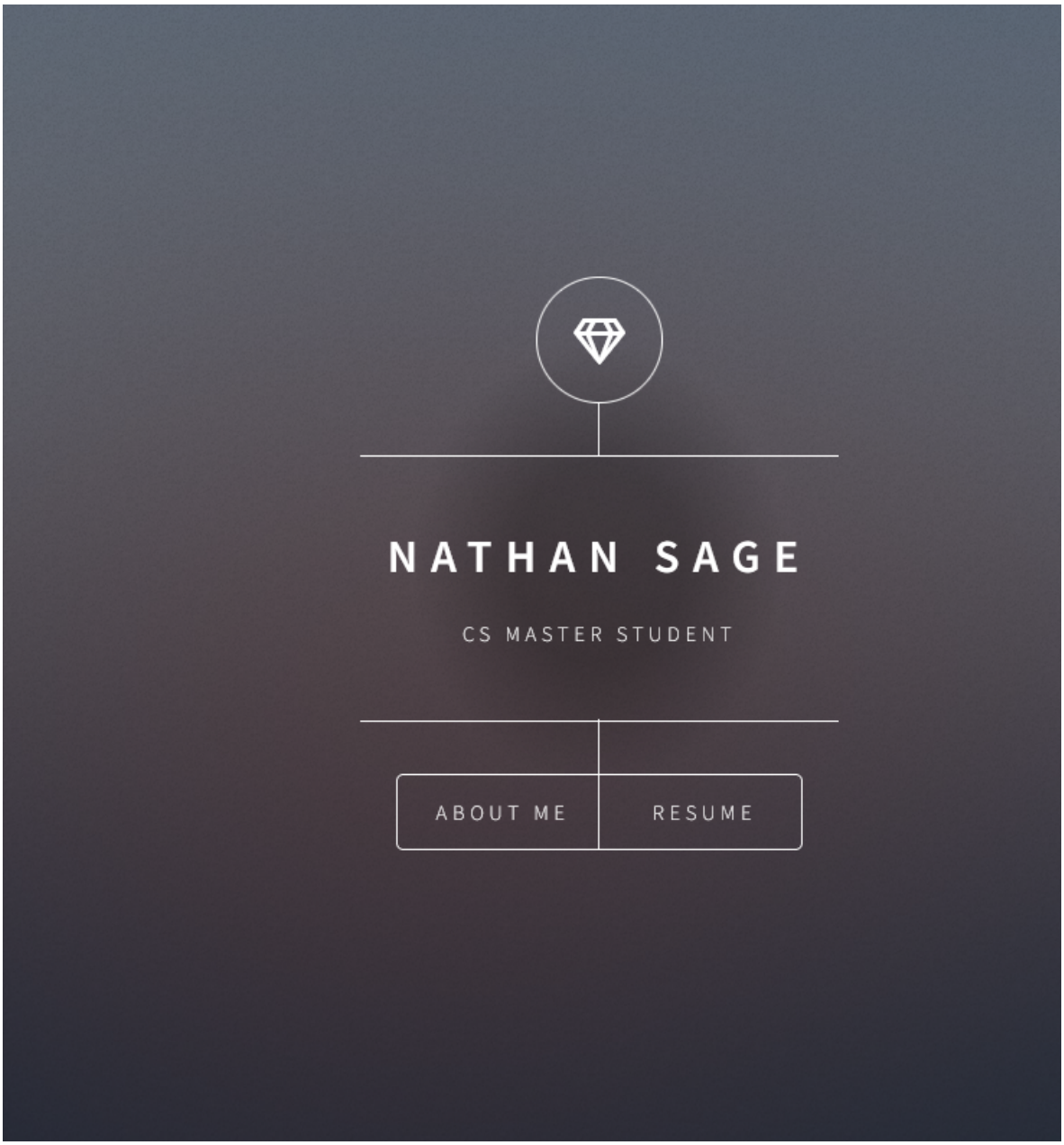


Figure 2: Cropped PNG - 0.25in from left, 0.5in from bottom, 1in from right, 0.3in from top

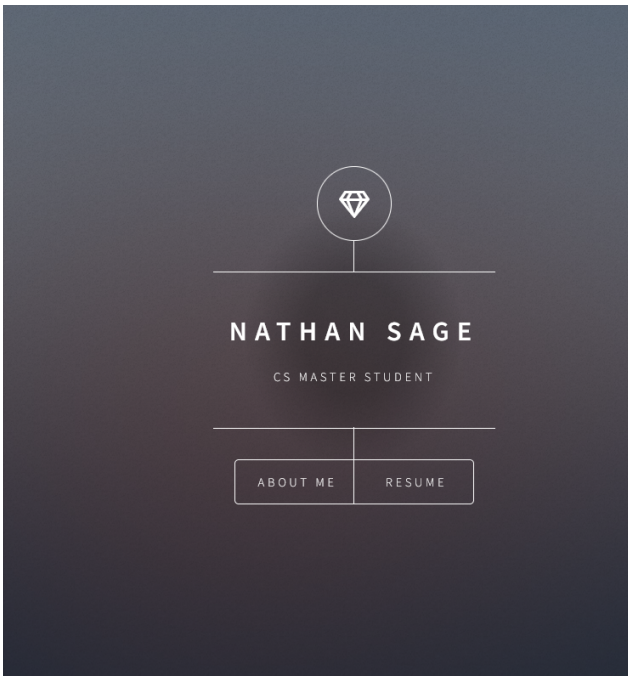
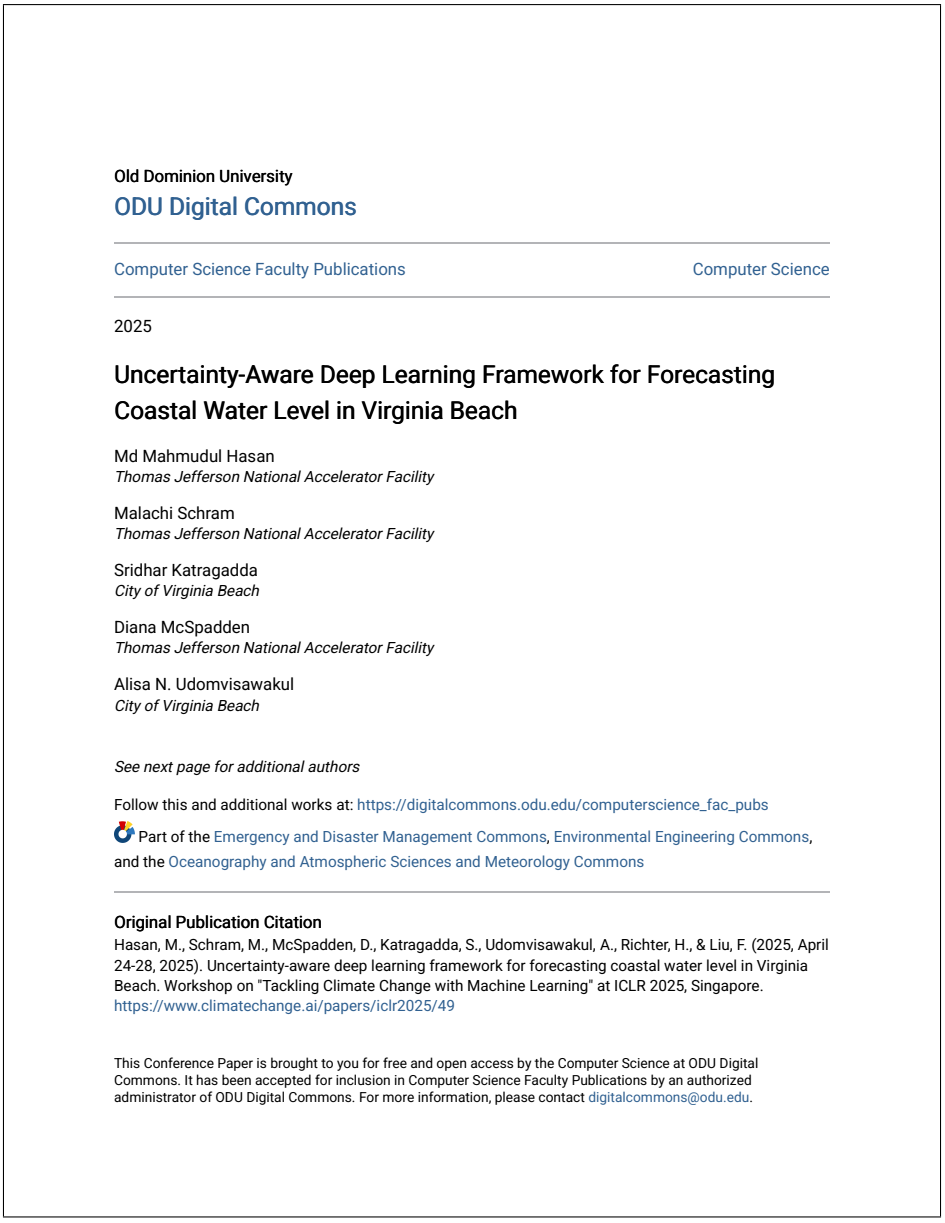


Figure 3: Cropped and scaled PNG



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

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Figure 4: Inserted PDF

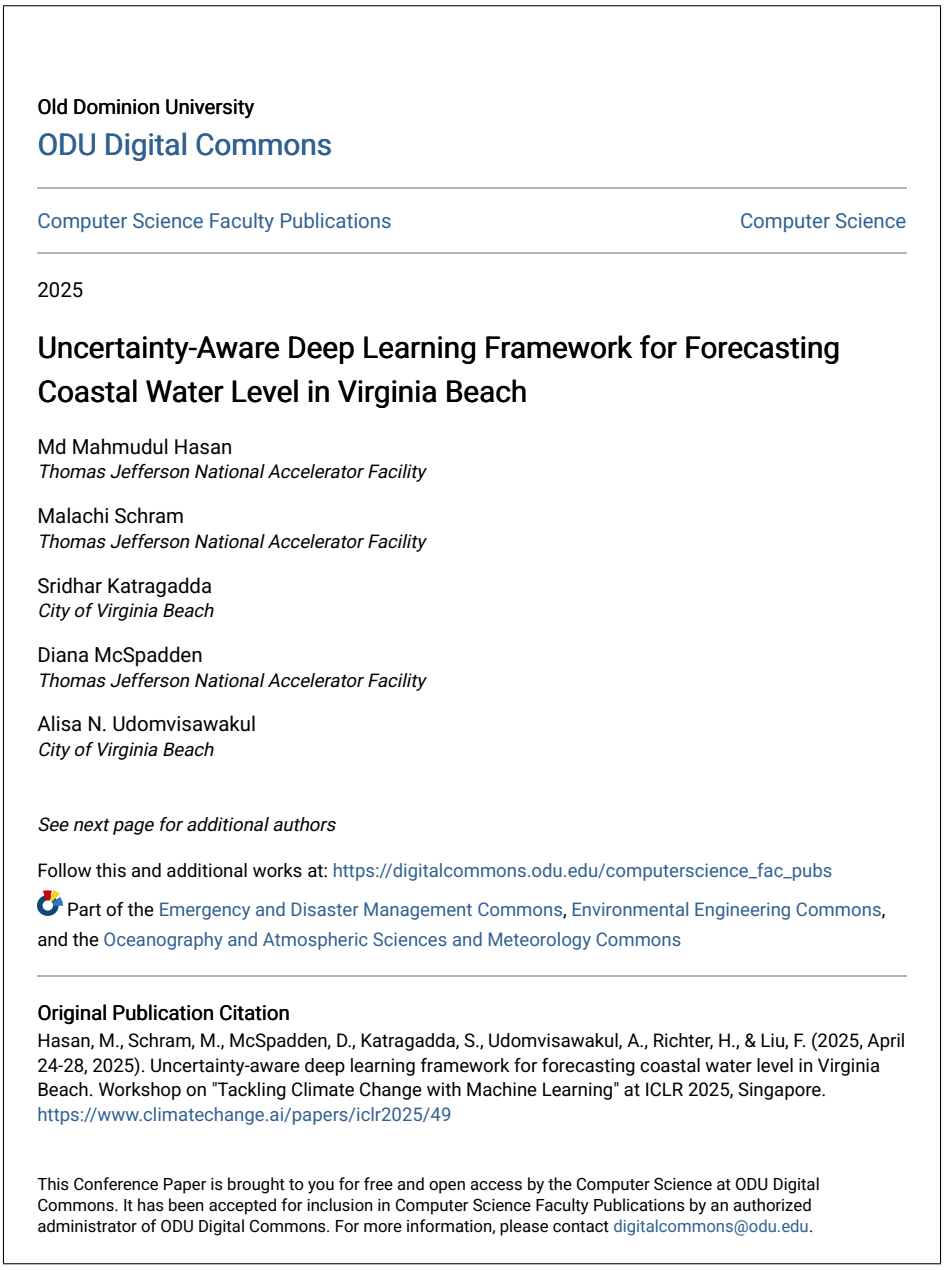

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Figure 5: Trimmed PDF