

# Data Engineering

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Blake Vente



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- Screen-Reader Friendly (accessibility)



## **Github-centered Workflow**

- GitHub Pages

## **GitHub Markdown**

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- superset of HTML

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## **GitHub Markdown**

- superset of HTML
- reduces our maintenance complexity

- Losslessly convert between HTML and Markdown using Pandoc

- `_posts/labs/` stores the labs

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- Everything autopopulates in 5 minutes or less.

## Upgrading

- Ported model to Python 3<sup>1</sup>

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<sup>1</sup><https://github.com/untrix/im2latex>

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- Future plans to upgrade Tensorflow to v2

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## Upgrading

- Ported model to Python 3<sup>1</sup>
- Future plans to upgrade Tensorflow to v2
- Deal with deprecated dependencies

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## Training model

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- Be able to tweak the attention model and customizable hyperparameters of the model
- Upgrade preprocessing scripts to work on Blake's generated data for consistency
- Experiment with running the model on various data categories (i.e Matrices, Equations, Piecewise Functions)

- Setting up a Jekyll site with GitHub Pages<sup>2</sup>

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<sup>2</sup><https://jekyllrb.com/docs/github-pages/>