Developing with Python:

Part I: Text Editors

Monday, July 14, 2014

Guang Yang

Looking Ahead

Week2: Developing with Python (Text Editors, IPython, IDEs)

Week3: Documenting with Python (Docstrings)

Week4: Data Analysis with Python (NumPy, SciPy, pandas, matplotlib)

Week5: Writing Idiomatic Python

Week6: Project Specific Topics

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Setting Up Your Development Environment

Text Editor + IPython   vs   Integrated Development Environment (IDE)

(Vim, Emacs, Sublime Text)   (IDLE, PyCharm, Eclipse)

Setting Up Your Development Environment

Text Editor + IPython   vs   Integrated Development Environment
                                                              (IDE)

(Vim, Emacs, Sublime Text)   (IDLE, PyCharm, Eclipse)

Why Not Use the Default Text Editor for Your OS?

- Efficiency

- Syntax Highlighting

- Plugins

- Customizability

- Cross Platform (mostly)

Text Editors

Classic

(steep learning curve,
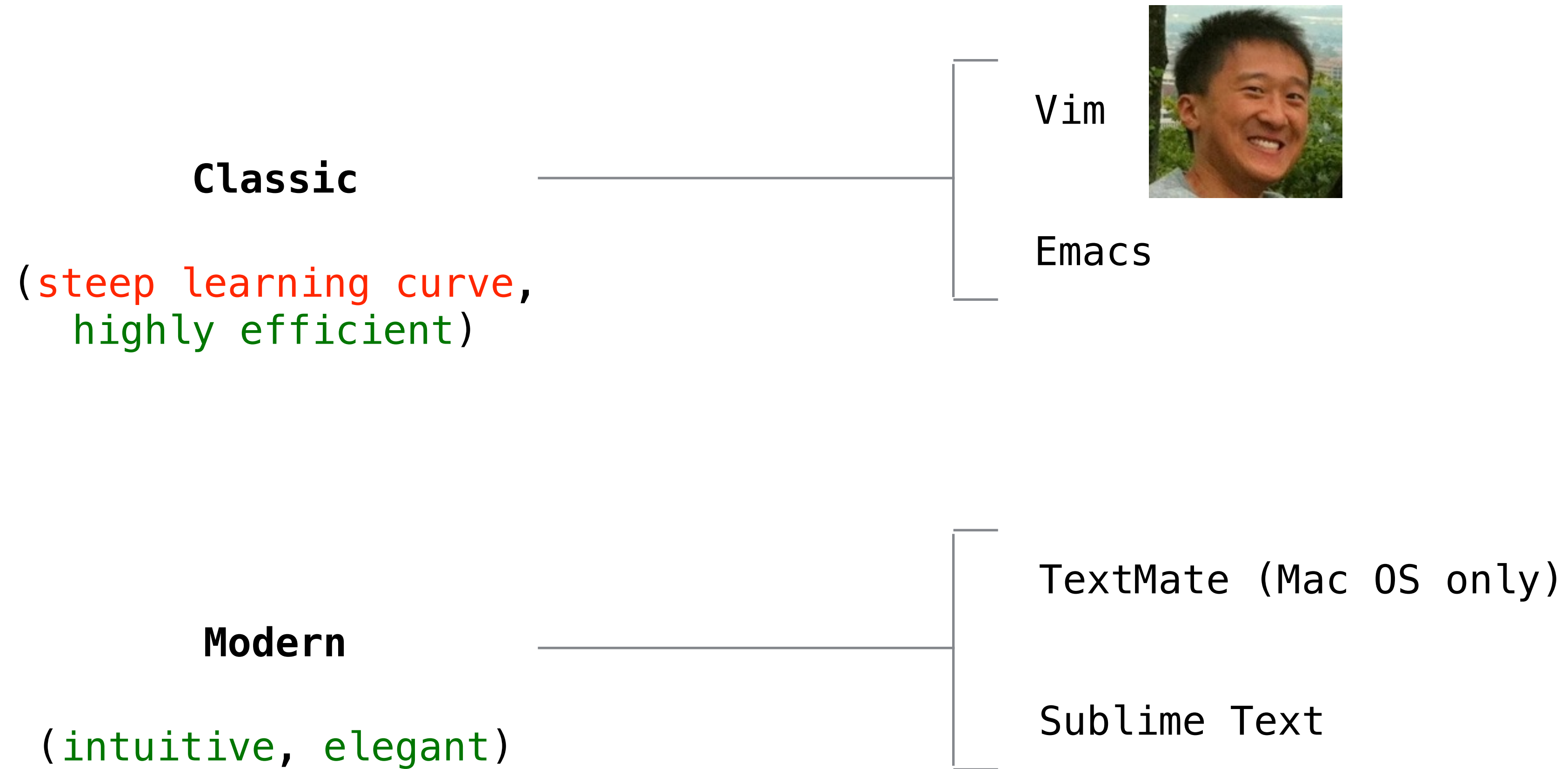highly efficient)

Vim

Emacs

Modern

(intuitive, elegant)

TextMate (Mac OS only)

Sublime Text

(Demo)

Text Editors

Classic

(steep learning curve,
   highly efficient)

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Try for Yourself

- <u>Vim</u>

- <u>Emacs</u>

- <u>Sublime Text</u>

- <u>TextMate</u>

References

- Check out my <u>git repository</u>, where I will be posting slides for the tutorials and other relevant resources.

- <u>"Your Development Environment"</u> from **<u>python-guide.org</u>** gives a more in-depth look at these different options

- Special thanks to Prof John DeNero for the lovely template, check out his *<u>CS61A course</u>* in Python