








Luke Smith

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Basic Info

 : luke@lukesmith.xyz
 : <https://lukesmith.xyz>


 : github.com/LukeSmithxyz
 : youtube.com/c/LukeSmithxyz

- Maintainer and developer of an Arch Linux-based metadistribution at <https://larbs.xyz> .
- Doctoral student in linguistics at the [University of Arizona](#) , focusing mostly on deriving linguistic traits and tendencies from non-linguistic externals and theoretical reform.
For more information, go here: <https://lukesmith.xyz/linguistics> .
- Since late 2016, I run a [YouTube channel](#)  mostly on technology tutorials and Linux configuration and system management.

Institutions

2017–PRESENT	Ph.D. in Engineering <i>University of Toledo, Tucson</i> Focusing on biolinguistics, syntax and human language technology. Advisors: Tom Bever , Mike Hammond .
2015–2017	M.S. in Electrical Engineering <i>University of Toledo, Toledo, Ohio</i>
2014	B.S. in Electrical Engineering <i>College of Engineering, Architecture and Technology, Oklahoma State University, Stillwater</i>

Classes Taught


More teaching information, along with my **teaching evaluations** and some materials can be found on my website at lukesmith.xyz/classes .

SOON	“The Evolution of the Ibero-Romance Irregular Imperfect: A Constraint-based Analysis” <i>28th Annual Symposium on Hispanic and Luso-Brazilian Literature, Language and Culture</i>
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Languages

HUMAN	Spanish, Mandarin, Latin, some Persian and French, reading knowledge of classical Greek and most Romance languages. Grammatical knowledge of a many Indo-European languages, Korean and others.
MACHINE	Python, Perl, R, PHP, Matlab/GNU Octave, bash/shell, some superficial knowledge of C, common LISP and Haskell; markup languages including \LaTeX / \XeTeX , R Markdown, HTML, CSS.

Tools I Use

I have lots of tutorials on many of these programs and tools on my [my YouTube channel](#) .

Usual Workflow








I use a **vim**-based setup in a tiling window manager (**i3-gaps**). I compile documents using **R Markdown** or \LaTeX , and **biber** for references. I prefer to do multimedia manipulation in the terminal with tools like **imagemagick** and

ffmpeg for extensibility's sake. I've run Microsoft, MacOS and GNU/Linux systems (both Debian and Arch-based varieties, as well as Void Linux).


Programs I'm Familiar With




tmux, ssh, RStudio, Blender (mostly for video-editing), Praat, Audacity, E-Prime, GIMP, pandoc, Jupyter. I've managed websites manually via ssh and vim using HTML/CSS/PHP and with tools such as Github Pages (Jekyll) WordPress via either cpanel or wp-cli. Some experience with myBB.


Public Code and Scripts

2018	mutt and offlineIMAP wizard  <i>A fully-featured configuration tool.</i> A tool for automatically configuring mutt, offlineIMAP, notmuch and other parts of a full email system with automatic detection of IMAP and SMTP protocols and automatic password encryption
2017–2018	shortcut-sync  <i>A small system for synchronizing configs between bash and other shells, ranger and qute-browser.</i>
IN PROGRESS	Corpus Latinum Lucae  <i>A planned linguistic corpus of the Latin language, to be searchable by regexes and grammatical category, with an interface written in Python.</i> As of now I've constructed the parser to generate the corpus from raw text files.
2017–Now	Luke's Auto-Rice Bootstrapping Scripts (LARBS)   <i>A dynamic installer for an i3wm Arch Linux distribution</i>
2016–Now	Voidrice  <i>Linux dotfiles</i> A set of GNU/Linux dotfiles that I popularized on YouTube, aiming at creating a powerful, optimized, all-purpose and lightweight general computing environment. Innovated dynamically configured and synced rc files.
2015	http://LukeSmith.xyz  <i>My website</i> Written from scratch. Modern traditional feel. I generate the website offline with PHP and upload a static version of only HTML/CSS.
2016–2017	/Comfy/ Arch <i>Automatic ricing tool</i> A web-based deployment system for configuration files which focuses on enabling novice Linux users to get immersed quickly in advanced ricing environments. No longer actively maintained as it has been largely replaced by LARBS (above).
2013	Vulgarizer <i>Sound Change Simulator</i> A string-manipulation paradigm written in Python for simulating phonetic and phonological change over time. The original implementation focused on modeling changes between Latin and Spanish and then other Romance languages, but if I continue the project, my hope is to generalize this.


Online Tutorials

I produce screencasts and produce other videos for public use as tutorials on YouTube on my channel.  As of January 2018, over 13,000 subscribers, with 1.4 millions views on over 100 different videos. All of these series below are ongoing.

R / STATISTICS 	[1]: Arithmetic, Variables and Vectors, [2]: Basic Statistical Functions and Logic, [3]: Dataframes, Subsetting and Ifelse
LaTeX 	[0]: Installation [1]: Compiling, Titles, Sections, Formatting, Syntax [2]: Labels, References and Lists [3]: Bibliographies [4]: Résumé-making Part 1 [5]: Résumé-making Part 2 [6]: Images, Figures [7]: Beamer Slideshow Presentations [8]: Macros
VIM 	Macros— Workflow with LaTeX— Basic Tips After Vimtutor— SC-IM - Vim-based Terminal Spreadsheet Editor— Custom code snippets, for IDE functionality— Vi-mode in bash— Spell-checking and Dictionaries— How vim Makes my Daily Life Easier

LINUX	Videos on hacking and modifying Linux graphical environments particularly on i3-gaps, including customization, window management, program-shortcutting, optimization. 
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Writings



Section incomplete. Only contains major degree requirements now. To be updated. More minor squibs of mine can be found at <https://lukesmith.xyz/linguistics> .

SOON	Unnamed dissertation <i>Dissertation, University of Toledo</i> Probable committee?: Tom Bever , Mike Hammond , Massimo Piattelli-Palmarini , Robert Henderson .
2017	Scope Without Syntax: A Game Theoretic Approach   <i>Second qualifying paper, University of Toledo</i> Committee: Robert Henderson , Massimo Piattelli-Palmarini , Tom Bever , Mike Hammond .
2017	Syntax Without Syntax    <i>First qualifying paper, University of Toledo</i> Committee: Mike Hammond , Simin Karimi , Heidi Harley .
2015	External Possession and the Undisentanglability of Syntax and Semantics  <i>Master's thesis, University of Toledo</i> Committee: Vera Lee-Schoenfeld , Tim Gupton , Pilar Chamorro .

Hobbies

Classical languages, human evolution and prehistory, free (i.e. libre) software, survivalism, cybernetics, medieval thought, Rhaeto-Romance poetry. I run a web forum at forum.lukesmith.xyz.

References

- Email me  with your interests in me and I'll refer you to someone who can vouch for me or defame me, depending on what you want.
- I upload all of my teaching evaluations to <https://lukesmith.xyz/classes#evals>  and they can be read there.