

John Kiely

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Experience

Research Assistant at the LSE (2014-2015)

- I took qualitative data collected by a post-doc and regularized certain fields to make it ready for statistical analysis. I managed to do the bulk of this with a few scripts and the long tail with individual find/replaces.
- I wrote a script to scrape drug reviews off of forums relating the the Silk Road and Agora, with some rudimentary text analysis to extract drug names, prices, and names of some prolific dealers.

Projects

Spellchecker (Python)

- <https://github.com/JKiely/spellchecker>
- Uses `/(uni|bi|tri)gram/` frequencies from a given corpus, and Damerau–Levenshtein distance to suggest corrections to words it doesn't recognize.

RC-API Wrapper (Golang)

- <https://github.com/JKiely/RC-API>
- A wrapper for the Recurse Center internal API.

Totes-random (Haskell)

- <https://github.com/JKiely/Totes-Random>
- A 'satirical random number generator' which uses the entropy of Twitter to seed a Mersenne twister.
- I also made a twitter bot for this site: <https://github.com/JKiely/Totes-Random-Bot>

Skills

- **Languages:** Python, Ruby, Haskell, Go, Javascript
- **Frameworks:** Flask, Rails, Node
- **Tools:** Git

Education

Recurse Center (2016)

- <https://www.recurse.com>
- I used my time there to expand my horizons as a developer and explore many areas of programming.
- I build all of the projects above, as well as several others.
- I read parts of *Software Foundations*, *Learn you a Haskell*, *High Performance Python*, *Programming Erlang*, and *The Pragmatic Programmer*. As well as several article and tutorials on the implementation details of Python, web servers, and other technologies I use frequently.
- I also had the chance to pair with experienced Go, Haskell, and C developers on projects exploring those languages.

BSc Sociology (Hons) at The London School of Economics (2012-2016)

- ASIEC Society (2012-2013): Teaching English in China during the summer of 2013.
- Debate Society (2012-2013): Parliamentary style, competed in several inter-varsity tournaments.
- LSE Groups (2014): An internal event in which teams prepare an academic paper with original research in two weeks and present it at a conference on the final day.

Makers Academy (2015)

- <http://www.makersacademy.com>
- A Bootcamp focusing on full stack web development.
- Learned technologies including Rails, Node, and Sinatra.