

# John Kiely

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## Skills

### Python

The first language I learnt and the one I've spent the most time with over the past few years. I started with Edx's 6.00.1x and I've since used it to try web development, data exploration, command line apps, and several non-python specific moocs.

### Examples:

#### Noughts and Crosses

- <https://github.com/JKiely/noughts-crosses>
- A command line tic-tac-toe game created using Python, and tested using Pytest.

#### Spell-checker

- <https://github.com/JKiely/spell-checker>
- Started out life as a me procrastinating after reading a Peter Norvig post but is in the process of growing into an online spell-checker using flask (a WIP).
- It uses `/[uni|bi|tri]gram/` frequencies from a given corpus, and Damerau–Levenshtein distance to suggest corrections to words it doesn't recognize.

## Web Development

I studied web development for 12 weeks at the Makers Academy bootcamp. In that time I became comfortable with Rails, and familiar with Node. But since I have spent most of my time with Flask.

### Examples

#### Totes-random

- <https://github.com/JKiely/Totes-Random>
- I worked with two other people, most of my time went into the back end, but we paired on all parts.
- A 'satirical random number generator' which uses the entropy of people telling twitter how random they are to seed a Mersenne twister.

## Education

### Recurse Center (2016)

- <https://www.recurse.com>
- A self directed code retreat based in New York.
- I spent my time there working on Haskell, Go and deepening my knowledge of Python.

### London School of Economics (2012-2016)

- BSc Sociology (Hons)
- ASIEC Society (2012-2013): Teaching English in the Shandong province of 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 have to 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 twelve week Bootcamp that focuses on full stack web development.
- Learned technologies including Rails, Node, and Sinatra.

## **Experience**

### **Research Assistant(2014-2015)**

- Cleaning data for papers looking at the relationship between income and voter turnout.
- Writing python code to scrape drug reviews and prices off of forums relating the the silk road and agora, as well as advising on code to scrape the sites themselves. Yes, this really was for a grad student and not for myself.

### **Barman/Manager (2008-2010, 2011-2012)**

- Nothing to do with coding, but I was involved with scheduling, training, and hiring new staff, and a key holder for the building and the safe.