

# **Fletcher Stump Smith**

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## **Education:**

- MS in Analytics, University of San Francisco; Summer 2015
- MA in Mathematics, University of California San Diego; Spring 2013
- BS in Mathematics, University of San Francisco; Spring 2009

## **Projects:**

- Wrote a program for scraping “one deal at a time” websites, parsing the data using python with beautifulsoup, and using multiple shopping APIs to compare prices.
- Implemented a bayesian text classifier in python from scratch. It was based on a unigram model and used to classify movie reviews as positive or negative with 81% accuracy.
- A java parser and semantic analyser for a compilers class. Parsing, and syntax tree building used the javacc parser generator. Semantic analysis was based on the visitor design pattern.
- Created and rendered an asteroid in C++/openGL for a computer graphics course. A Fractal Terrain generator was used to create the asteroid.

## **Presentations:**

Workshop: Haskell Type System at recursd: <http://recursd.com/>

## **Skills:**

R, Python, SQL, Bash, Haskell, LaTeX, Linux, Emacs, Git

## **Relevant Experience:**

- Applied Algebra I (Graduate level linear algebra), probabilistic combinatorics, logic
- Theory of computation, Computer Graphics (openGL in C++). I also have completed online courses in algorithms, artificial intelligence, and programming languages.
- Tutoring at USF and freelance for the last 5 years, including calculus and statistics
- Project Euler: 97 problems completed (haskell and python)  
<http://projecteuler.net/profile/fletcherdss.png>
- Github: <https://github.com/fletcherdss>