

# Michael White

<http://github.com/mwhite>

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## WORK EXPERIENCE

### **Dimagi** (Cambridge, MA)

Software Engineer, September 2012 - December 2013

Contractor, January 2014 - July 2014

- ▶ Maintained a legacy user-facing JavaScript XForm designer
  - \* Addressed major usability pain points, added new features, fixed bugs, and improved performance
  - \* Rescued an unmaintainable 10KLOC codebase through incremental refactoring
  - \* Introduced a plugin system to improve collaborative development workflow
  - \* Set up testing infrastructure and the first tests
- ▶ Worked on a large Django application for managing health data in a collaborative environment
- ▶ Wrote CouchDB-based reports for clients

### **GetchaBooks** (Medford, MA)

Co-Founder, 2010 - 2012

- ▶ Created a site that let college students select their courses and find the best way to buy their required books online
- ▶ Wrote the backend using PHP, Propel ORM, and MySQL
- ▶ Wrote scrapers for college bookstore chain websites as part of a generic scraping system with batch and on-demand scraping support
- ▶ Wrote a price comparison algorithm that accounts for variable shipping costs

### **AIFB, Karlsruhe Institute of Technology** (Remote)

Student Research Assistant, June 2010 - August 2010

- ▶ Wrote a Semantic MediaWiki extension that used existing data to interpret plain-text queries as structured queries, and added faceted browsing to the built-in search results interface

## EDUCATION

### **Tufts University** (Medford, MA)

B.S. in Computer Science, May 2012

## SKILLS

Modular application development, API design, data architecture

Python (Django, Flask), JavaScript (jQuery, Knockout), PHP, C, SQL, git, Linux, and others

Familiar with German and Spanish

## INTERESTS

History, genealogy, music, linguistics