

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 (10KLOC)
 - * Addressed major usability pain points, added new features, fixed bugs, and improved performance
 - * Made an unmaintainable codebase maintainable 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