Michael White

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WORK EXPERIENCE

Dimagi (Cambridge, MA)

Contractor, January 2014 - present

Software Engineer, September 2012 - December 2013

- ► Maintained a legacy user-facing JavaScript XForm designer
  - ∗ Addressed major usability pain points by hiding XForm implementation details
  - ∗ Reduced code complexity and improved performance through extensive refactoring
  - ∗ Introduced a plugin system to increase modularity
  - ∗ Added new features, including tighter integration with Dimagi's data platform
- ► Added features to a Django application for managing health data, including
  - ∗ a site navigation framework that abstracted a variety of existing elements and behaviors
  - ∗ a UI for viewing individual records that allows declarative custom layouts for specific types
  - ∗ a system for saving and emailing specific versions of reports
- ► Wrote reports for clients using CouchDB (map-reduce)

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 theoretical linguistics, German, Spanish