Michael White

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WORK EXPERIENCE

Dimagi, Inc. (Cambridge, MA)

Software Engineer, September 2012 - present

- Maintained a 10KLOC XForms designer written in vanilla JavaScript + jQuery
  - ∗ Addressed usability pain points, added features, and fixed bugs
  - ∗ Maintained net negative lines of code added through extensive refactoring
  - ∗ Created a plugin that makes it easier to get the maximum value out of Dimagi's extensions to XForms and related tools
- Added features to a large Django application for managing health data
- Wrote reports for clients using CouchDB (map-reduce) and Python

GetchaBooks LLC (Medford, MA)

Co-Founder, 2010 - 2012

- Created a website that lets college students specify their courses and find the best way to buy their textbooks online
- Wrote a 20KLOC backend using PHP, Propel ORM, and MySQL
- Designed a generic architecture for harvesting course and book data from college bookstore chain websites
  - ∗ wrote JavaScript and cookie-aware scrapers
  - ∗ optimized for both mass harvesting and on-demand lookup
- Implemented online bookseller integration and price comparison algorithms

AIFB, Karlsruhe Institute of Technology (Remote)

Student Research Assistant, June 2010 - August 2010

- Wrote AskQ, a Semantic MediaWiki extension that uses known structured data to interpret plain-text queries as structured semantic queries
- Added a faceted browsing interface on top of Semantic MediaWiki's built-in semantic search results page

EDUCATION

Tufts University (Medford, MA)

B.S. in Computer Science, May 2012

SKILLS

Developing modular, high-performance web application backends

Python, PHP, JavaScript, jQuery, SQL, CouchDB, HTML, CSS, C, git, vim

Knowledgeable about theoretical and computational linguistics

Proficient in German, familiar with Spanish