Alex Shelmire

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Skills

Ruby, Rails, Javascript, Coffeescript, JQuery, Git, Databases, MySQL, Postgres, SQlite, Heroku, Python, C++, Java, HTML, CSS, Linux, OSX, Windows, Minitest, Rspec, Bootstrap, Google, Stackoverflow, JIRA

Experience

2015-present
Application Developer at the Linguistic Data Consortium
Worked on projects to collect, convert, annotate, translate, and release language data, including LORELEI, DEFT, and GRID.
Developed new functionality for our Ruby on Rails application, used for annotation, workflow management, and various other tasks. Improved existing functionality, added significant testing suite, and fixed a number of bugs. Worked extensively on our namespace editor, a javascript-heavy tool which allows project managers to create annotation tools.
Wrote many scripts for handling linguistic data, database management, and workflow management.

Education

2009
B.A. Philosophy, University of Southern California

2012-present
Ruby, Rails, Python, Javascript, and other web development courses completed during personal study at Udemy, Udacity, Coursera, Codecademy, and Rubymonks

2002-2004
C++ and Java honors and AP courses completed at J.R. Masterman High School (graduated 2004)

Current Projects

2015-present
LORELEI (Low Resource Languages for Emergent Incidents)
Collected raw language data via web scraping using LDC's Webcol, Diffbot, and other means of collection.

Converted collected web data to useable XML formats for use by the LDC and sponsors.
Performed significant amounts of data processing, pipeline management, and database management to facilitate processing of documents and workflow management for annotation, translation, and data releases.
Managed and tracked data via MySQL and Postgresql databases for the project, tracking relevant information on individual documents.
Generated situation frame annotation output from our annotation tool.
Performed miscellaneous transformations, analysis, and data gathering on data and databases as requested and required for the project.

Current Applications

2015-present

WebAnn

A web annotation and workflow management tool used by the Linguistic Data Consortium (Ruby on Rails, JS).
Wrote extensive testing suite for existing and new functionality including capybara view testing.
Upgraded the WebAnn application from Rails 3 to Rails 4.
Updated, added, and removed models, views, controllers, and Javascript files to add new or improve old functionality.

WebCol

A web collection tool (Python) for finding, downloading and converting a large quantity of language data from multiple sources.
Provided key development for collecting and processing web data.