

Kevin Klaes

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Experience

University of Minnesota: Twin Cities

Web Developer and Systems Administrator (March 2012 - Present)

- Maintained and improved internal department applications with backend in Django/Python. Applications utilized HTML5 and Javascript/jQuery to enhance the user application and experience. Implemented a REST API using Django Rest Framework to decouple frontend and backend code.
- Implemented test driven development for all new features and wrote tests for legacy code after documenting the purpose and evaluating the functionality.
- Collected and detailed requirements for new and existing features. Self initiated effort to improve undocumented code and increase compliancy with best standard coding practices (PEP8, DRY, TDD).
- Secured web applications by introducing and working with application owners and users to define access controls to specific parts of their applications.
- Reduced redundant user input by implementing and improving backend workflows.
- Advised and worked with faculty to develop professional websites (primarily [Math Insight](#)), improve useability, and encourage software development best practices.
- Rebuilt department event application and integrated with Google Calendar to increase visibility to students and encourage subscriptions.

Rainbow Health Initiative

Volunteer Web Developer (July 2013 - September 2013)

- Worked with Rainbow Health Initiative to create and deploy an online survey to collect data on the LGBT community of Minnesota.
- Provided backend code in Django to collect data and data export solutions.
- Trained RHI webmaster to deploy application.

Skills and Technologies

Programming Languages

- Python
- Javascript
- SQL
- Ruby

Advanced Proficiency

- Django
- jQuery
- Bootstrap
- Git
- HTML, CSS, Jinja2, Less, HAML
- MySQL

Intermediate Proficiency

- Node.js
- Selenium
- Apache, nginx
- *nix: Ubuntu, RHEL6, Scientific Linux (SL)
- Flask
- Express
- Shibboleth

Basic Proficiency

- Ansible
- Drupal
- Ruby on Rails
- Puppet

Education

Bachelor's of Science in Mathematics

University of Minnesota: Twin Cities (Spring 2013)

- Coursework at the University of Minnesota focused on actuarial mathematics, intermediate economics courses, and cryptography.
- Attended the University of Minnesota: Duluth from Fall 2004 until Spring 2006 with the intent to major in Computer Science.