SteppIntoAction

Taking the pain out of volunteer scheduling
UI Mockup (<3 Photoshop)
UI Exposed

Volunteer’s entered availability info (blue events)

Shifts volunteer has been scheduled for

Calendars for volunteer’s orgs.

Shift in need of volunteers (click to sign-up)

Shift with all volunteers
Tools!

• **Ruby on Rails (learning as we go)**
  • RESTful authentication - user management
  • runt gem - build & query recurring events painlessly (based on a paper by Fowler!)

• **MySQL on live server**

• **Subversion + post-commit hooks**

• **Trac (bug tracking, SVN browsing, wiki)**
Team Structure

- Teams of 2 have responsibility for each feature
  - design is done jointly, coding is divided
  - testing is done first by the primary developer for a sub-feature, and then by the feature partner

- Weekly code reviews
  - A different partner looks over check-ins since last review; stylistic modifications are checked in with a single commit

- Conflict resolution
  - Drink-off – alternating shots of gin and tequila with volume scaled for size; first to pass out loses
Major Features & Goals

• Allow organizations to create events composed of shifts

• Volunteers enter their availability information and through the magic of automatic scheduling are assigned to shifts

• Volunteers may also sign up for shifts manually

• All of this information is summarized in a convenient weekly calendar view for users & organizations.
Progress

- **User management**
  - create new user, validate user, create session, protect page

- **Look and feel**
  - mess of CSS for the calendar
  - basic HTML/CSS layout based on the Photoshop prototype
  - forms for user and organization creation

- **Important architecture decisions**
  - handling recurring events
  - organization and user calendars are essentially the same
  - Eli is “the intern”