

Matthew Skinner

Resume

Projects

- 2015 **No Kicker**, *fantasy football app modeled after Flea Flicker*, [nokicker.co](#) - [github](#).
- Designed a complex database structure to deal with a large pool of players having different roles relative to many leagues, teams, lineups, and trades.
 - Fetches and parses deeply nested data structures.
 - Wrote custom SQL queries to deal with demand for many columns and joins.
 - Player listings pull nine columns from each of the weekly stat records in the current season and relate them to league specific scoring rules.
 - Allows users to dynamically search the pool of players by name and position, immediately filtering players without the need for a refresh.
- 2015 **Orbit Game**, *Javascript game*, [link](#) - [github](#).
- Operates on a realistic model for gravitation following the law of inverse squares.
 - Offers sandbox and level modes.
 - Scales objects in levels so that they remain the same across screen sizes.
- 2015 **Rails Lite**, *Simplified version of Rails*, [github](#).
- Implements many of the features made available by rails.
 - Uses custom SqlObject class, that replicates insert, save, update, where methods similarly to ActiveRecord, as well as other functionality.
- 2014 **Masters Thesis**, *economic game for lab experiment written in z-Tree*.
- Allows players to interact in a game designed to gather data and test contemporary theory about economically motivated political behavior.
 - Programmed the experiment using z-Tree, a framework specifically written to facilitate economics experiments with groups of participants.
 - Acquired funding to pay participants based on their actions in the game.
 - Carried out the experiment with a group of 60 University of Hamburg students

Technical Skills

Ruby, Rails, JavaScript, Backbone.js, jQuery, Python, L^AT_EX, SQL, HTML, CSS

Experience

- 2014 **Editor**, ATLANTIC COMMUNITY, Berlin, Germany.
Wrote and edited articles for a community based policy website. Took over responsibility for the monthly newsletter, implemented ‘tweet this’ functionality for site.

Education

- 2015 **App Academy**, *12 week coding bootcamp*, San Francisco.
Less than 5% Acceptance rate, with strong focus on coding style and best practices.
- 2011–2014 **M. Sc. Politics, Economics, and Philosophy**, *Universität Hamburg*, Hamburg.
- 2006–2011 **B. A. Philosophy**, *The University of Arizona*, Tucson, *GPA – 3.65*.

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