EDMUND WRIGHT

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Projects

Cells (live / github)
Clone of Google Sheets, written in Backbone.js and Ruby on Rails
- Evaluates formulae recursively, and updates cells using dependency graph
- Saves edits to the server efficiently by treating cells as individual models
- Allows simultaneous editing with other users
- Uses Facebook OAuth and AWS for image storage

Anti-Snake (live / github)
Twist on the classic Snake game, written in JavaScript
- Snake is autonomous and path-finds using customized breadth-first-search
- Game scales to any window size by sizing HTML elements appropriately

Rails Lite (github / live demo app)
Web server MVC framework inspired by the functionality of Ruby on Rails
- Contains ORM inspired by ActiveRecord
- Extensive use of metaprogramming

Chess (github)
Chess game written in Ruby using object-oriented design
- Computer player makes decisions based on a truncated game tree
- Utilizes multiple levels of inheritance to implement different pieces

Skills

JavaScript, Backbone.js, jQuery, Ruby, Ruby on Rails, SQL, git, HTML, CSS, Matlab, Stata, Java (learning), Python (learning)

Education

Web Development, App Academy, New York *(Jul - Oct 2015)*
- Full-time web development course with less than 5% application acceptance rate
- Emphasizes code quality and design patterns

PhD program in Economics, University College London *(2012 -2014)*
- Concentrated on behavioral economics and game theory
- Left to pursue programming; received MRes Economics with Merit

MSc Economics (Distinction), University College London *(2010 - 2011)*

BSc Philosophy & Economics (1st Class Hons), University of Bristol *(2006 - 2009)*

Employment

Economics Teacher, University College London *(2013 - 2015)*, Univ. of Bristol *(2011 - 2012)*
- Taught students up to postgraduate level; gave lectures to classes of up to 300
- Received high student feedback scores
- Covered a range of subjects including Game Theory, Maths, Statistics and Econometrics

Research Assistant, University of Bristol *(full-time 2009 - 2010; part-time 2012 - 2015)*
- Wrote scripts for manipulation and econometric analysis of large datasets
- Took initiative to learn web scraping, leading to large improvement in available data
- Co-authored two published articles

Technician, Cambridge Flat Projection Displays *(2005 - 2006)*
- Constructed prototype optical devices for startup tech company

Publications

"Peer effects in charitable giving: Evidence from the (running) field" (with S. Smith and F. Windmeijer), The Economic Journal, 2015 (link)

"An integrated approach for evaluating the effectiveness of landslide hazard reduction in vulnerable communities in the Caribbean" (with E. Holcombe, S. Smith and M. Anderson), Natural Hazards, 2012 (link)