

# EDMUND WRIGHT

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## Projects

### **Cells** ([live](#) / [github](#))

*Clone of Google Sheets, written in Backbone 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 resizing DOM 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, e.g. `#define_method`, `#send`

### **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](#))