

Ursula Chang

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PROJECTS

OkCookie (*Rails, React, Javascript*) | [live](#) | [github](#)

Dating website based on OKCupid.

- Dynamically and efficiently updates UI with React.js's diffing algorithm.
- User Matches are calculated via AJAX on database level.
- Implements likes table via polymorphic associations to keep database normalized.

Snake (*Javascript, HTML5*) | [live](#) | [github](#)

Browser version of retro Snake game made with Javascript and jQuery.

- Dynamically updates player's score; snake wraps around both axes of game grid.

ActiveRecord Lite (*Ruby*) | [github](#)

The functionality of ActiveRecord.

- Object-Relational Mapping such as associations using metaprogramming.

SKILLS

Ruby, Rails, Javascript, jQuery, React, HTML, CSS, SQL, git, TDD, PHP, Python (learning)

EXPERIENCE

Neuroscience Intern - *Max-Planck Institute (2015)*

Created Matlab code for analyzing large amounts of experimental data.

Instructed and prepared test subjects for experiment; lead them through the fMRI experiment.

Selected valuable data using analytical skills from results of Matlab analysis.

EDUCATION

Web Development - *App Academy (Fall 2015)*

Immersive software development course with focus on web development and agile methodologies. Strong emphasis on code quality and design patterns.

MSc Candidate - *Freie Universitaet Berlin (Fall 2014 - Spring 2015)*

Scientific work in the fields of fundamental and applied research with neurocognitive methods.

Curriculum Highlights | 12703 Statistics Methods • 12712 Applied Programming |

BA Education (Experimental Psychology)

University of Alabama in Huntsville, 2014

GPA 3.9

Curriculum Highlights | PY300 Psychological Statistics • PY498 Research Methods • M1411 Calculus |

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