Thomsen Cummings

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Projects

PerfectPair   live // source

A full-stack OkCupid clone. Rails back-end, React/Flux front-end
- Single-Page UX for question-answering and profile CRUD
- WebSocket-based messaging system via Pusher API for real-time communication
- Designed weighted user-compatibility algorithm, achieving optimal performance in a single SQL query

Cordyceps   live // source

A platform-jumper web-game in JavaScript and Canvas
- Handrolled 2D physics engine with seamless collision detection
- Dynamic camera and particle-mapping via verlet integration
- Engineered unique event-triggering system and sprite design for cinematic presentation

Metro

A light-weight ORM and MVC   source
- Dynamic association macros and chainable Sqlite3 queries through ruby metaprogramming
- Static assets and exception handling middleware on Rack router

Skills

Ruby/Rails

JavaScript

SQL

React.js

Flux

jQuery

HTML

CSS

Git

Heroku

Adobe Photoshop CS6

SPSS

Experience

Research Assistant ● 2015

Temple University Cognition Lab
Philadelphia, PA
- Mapped CSV data for SPSS statistical analysis by writing MS Excel macros
- Managed 400 participant experiment on E-Prime data collection software

Education

App Academy ● 2016
- Web development bootcamp, 1000hrs pair-programming environment, full-stack app production, <3% acceptance rate

Temple University ● 2011-2015
- BA Psychology, 3.7 major GPA