

# Thomsen Cummings



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[github](#)



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[portfolio](#)

## Projects

### PerfectPair

[live](#) // [source](#)

*A full-stack OkCupid clone. Rails back-end, React/Flux front-end*

- Calculates user-compatibility with weighted algorithm, achieving optimal performance in a single SQL query
- Provides a real-time messaging system with WebSockets via the Pusher API
- Incorporates a Single-Page UX for question-answering and profile CRUD, leveraging AWS S3 for photo upload

### Cordyceps

[live](#) // [source](#)

*A platform-jumper web-game in JavaScript and Canvas*

- Presents a dynamic camera and particle-mapping via verlet integration, providing visually satisfying gamefeel
- Achieves seamless collision detection with a hand-rolled 2D physics engine
- Orchestrates unique event-triggering system for cinematic presentation

### Metro

[source](#)

*A light-weight ORM and MVC*

- Defines association macros and chainable queries through metaprogramming
- Integrates static assets and exception handling middleware on Rack router

## Skills

Ruby/Rails

JavaScript

SQL

React.js

Flux

jQuery

HTML

CSS

Git

AWS

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 data recovery for 400 participant experiment on E-Prime data collection software

## Education

### App Academy • 2016

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

### Temple University • 2011-2015

BA Psychology, 3.7 major GPA