

Nathan Hinchey

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PROJECTS

OkEris (*Rails, Backbone.js*) | [live](#) | [github](#)

Open source, supervillain-themed dating app

- JavaScript front end consumes RESTful Rails JSON API
- SQL queries for custom matching algorithm
- Dynamic CSS to display interactive UX

Space Dodgeball (*JavaScript, HTML*) | [live](#) | [github](#)

- Custom vector functions for physics simulation
- jQuery for dynamically resizing HTML 5 Canvas
- Fluid responsive user input and render loop

Ruby Chess (*Ruby*) | [github](#)

- A CLI chess app with a REPL user interface and a computer AI
 - Leverages Ruby's polymorphism capabilities
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SKILLS

Ruby, Rails, JavaScript, jQuery, Backbone.js, HTML, CSS, SQL

EDUCATION

AppAcademy (2015)

Full Stack Web Development

Web development intensive course with focus on best practices.
Accepts less than 5 percent of applicants.

University of California Santa Cruz (2005-2009)

B.A. Linguistics, cum laude

Awards: Humanities Research Award, 2008, optimality theory analysis
Dean's Honors, 2008 – 2009

Related Coursework: Python Programming, Syntax, Industrial Phonetics,
Natural Language Processing

EXPERIENCE

Mathematics Teacher - Oakland Unified School District (2013-2014)

- Collaborated with effective team to develop cross-disciplinary curricula
- Cross year student retention rate improved by 50% from two years prior

Substitute Teacher - Oakland Unified School District (2009-2013)

- Quickly learn and implement new curriculum daily
- Specifically requested by dozens of teachers nearly daily