

# 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**

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## 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

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## 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