Adithya Manohar

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Projects

- The MultiVerse • themultiverse.io • Github Link • October 2015

    - Collaborative poetry-writing application built with React.js on a RESTful Rails API.
    - Infinite-scroll with paginated AJAX requests optimizes load time.
    - Flux architecture ensures separation of concerns and simplifies addition of new functionality.

- SpaceJam • Github Link • March 2013

    - Built to teach myself Unity3D and object-oriented programming.

- Rails Lite • Github Link • September 2015

    - Reconstruction of basic Rails functionality aimed at understanding its inner workings.
    - Includes controller bases, ERB evaluation, template rendering, session management, and param handling, all written from scratch in Ruby.

Skills

- Ruby, Rails, JavaScript, React.js and Flux, SQL, HTML and CSS, Python, Unity3D.

Education

- App Academy, San Francisco, CA, Fall 2015
  Ruby on Rails and Javascript/React.js web-development program with < 5% acceptance rate.

- M.S. in Physics, University of California, Irvine, 2013 - 2015
  Passed PhD qualifying examination on first attempt (in April 2014) but later withdrew to pursue web development.
  Taught six quarters of undergraduate-level physics classes (Fall 2013 - Spring 2015).

- B.A. in Astrophysics and English (Poetry), Ohio Wesleyan University, Class of 2012

Experience

- **Graduate Researcher at UC Irvine with the Fermi Collaboration** (April 2014 to March 2015)
  Built pipeline using Python and custom Fermi Tools to automate Large-Area Telescope data analysis, saving eight hours of runtime on each pass on average.
  Led analysis of Galactic Center gamma-ray data to place constraints on dark-matter models.

- **Unity 3D Intern at LimberLink Technologies, Bangalore, India** (February 2013 to April 2013)
  Led exploration of Unity 3D as a potential teaching platform for first-time coders, culminating in a report and presentation including demo (see projects above) for executive team.

For more details, see adithyamanohar.com.