

# JEFFREY XIONG

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## Education

### RICE UNIVERSITY

B.S. Computer Science  
GPA: 3.83

8/17/14 - Present

Expected - May 2018

## Relevant Coursework

Fall '14:

COMP 140 // Computational Thinking

Spring '15:

COMP 182 // Algorithmic Thinking

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## Relevant Experience

**Designer / Developer, RiceApps;** *Houston, TX - 11/23/14 - Present*

- Member of project teams for Wellbeing and Student Life apps, primary front-end developer for Rice Apps website and assisted in development of Python / Flask and SQLite backend.
- Responsible for user interface, graphic, and front-end design/development.

**iOS Intern, BoxCat;** *San Gabriel, CA - 6/30/14 - 8/01/14*

- Programmed skill animation sequences using Objective C and the Cocos 2D engine.
- Designed UI, skill icons, particle effects, and sprites for upcoming game *Flying Fortress RPG*.
- Implemented new features (photo upload, shake to sort) in productivity app *TaskCat*.  
<https://itunes.apple.com/app/taskcat/id519986368>

**CTO, Oasis Virtual Enterprise;** *South Pasadena, CA - 8/22/13 - 6/11/14*

- Oversaw technology and branding of nationally recognized Virtual Enterprise team Oasis.
- Hand-coded and designed company website. <http://www.ve-oasis.com/>
- Coordinated and assisted production of catalog, video commercial, brochures, and other media.

**Research Student, UC Irvine COSMOS - Mobile Digital Media;** *Irvine, CA - 6/23/13 - 7/19/13*

- Created an iOS app that utilized the Pure Data audio programming language and library.
  - Researched inharmonic sounds and learned audio synthesis, physical modeling, fast fourier transform, and various editing techniques using Sculpture, Pure Data, and Logic Pro.
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## Team Project + Research Contributions

**HackRice 2015;** *Houston, TX - 1/31/15 - 2/01/15*

- Key developer in team that created a crawl planning web app that integrated Venmo for paying stop hosts, Twilio for group messaging, and Python backend.  
<http://ricecrawlr.appspot.com/>

**A Spatial Entropy-Based Approach to Improve Mobile Risk-Based Authentication;** *ACM Research Paper - 11/14*

- Presented in ACM GeoPrivacy Workshop - <http://dl.acm.org/citation.cfm?id=2675682.2676400>
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## Leadership Experience

**District Member Relations Chair, Key Club;** *California-Nevada-Hawaii District - 4/27/13 - 4/13/14*

- Led committee of 11 lieutenant governors, and spearheaded development of educational workshops and resources for 46,000+ members. Helped plan the annual District Convention with attendance of over 3000, overseeing and organizing workshop schedule, presenters, and content.
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## Awards

- National Merit Scholarship Finalist; National AP Scholar; President's Volunteer Service Award, Gold
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