Chenyang Yuan

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http://www.github.com/yuanchenyang   http://www.chenyang.co

Education

Double Major in Computer Science and Physics   Expected Graduation: 2016
The University of Berkeley at California, Berkeley, CA   GPA: 3.977 (Technical: 4.00)

Technical Skills

Proficient in Python, Javascript, Emacs, jQuery, Java, LaTeX
Experience in C, Scheme, Haskell, HTML, Hadoop, Android, SQL, Assembly

Work Experience

Undergraduate Student Researcher, *UC Berkeley*   *Spring 2014 – Present*
- I work with Professor Ras Bodik on the synthesis of a layout engine for an experimental browser, Servo.

Undergraduate Student Instructor for CS61A, *UC Berkeley*   *Fall 2013 – Present*
- Teach sections and labs, holds office hours
- Help write the autograder for projects
- Wrote Javascript interpreters for Scheme and Logic languages used in the class, so that students can interpret code on their browsers without installing interpreters on their machines.
- Ran and maintained the codereview system used to give students composition feedback from readers

Software Engineering Intern, *Clover*   *July–August 2013*
- Helped improve internal tools
- Built an API auto-documentation system; designed and build an API Explorer: https://www.clover.com/api_explorer
- Created demo app using Clover's API: https://github.com/clover/example-server

Reader for CS61A, *UC Berkeley*   *Spring 2013*
- I provided feedback and comments for students' code and held debugging sessions

Selected Projects

Facebook Group Archiver   http://archiver.chenyang.co
A tool for saving Facebook groups in a local database and doing comprehensive searches locally. After the first download, it will sync the local database with the Facebook group during each run. Also includes a web-interface for stats, searching and doing database queries.

Interactive SICP Textbook   http://xuanji.appspot.com/isicp/1-1-elements.html
Made an interactive version of the classic Structure and Interpretation of Computer Programs book with my friend. I created the asynchronous Javascript-based Scheme interpreter used on the website.

Relevant Awards

First Place, Cal vs Stanford Big Hack   *Apr 2013*
Created a scheme interpreter in C on my TI-89 graphing calculator
Third Place, Hackers at Berkeley HackJam   *Apr 2013*
Made an animation sequence on my TI-89 graphing calculator
Honorable Mention, Facebook Nor-Cal Hackathon 2013   *Oct 2013*
Built a online Python code branching visualizer.
Honorable Mention, Facebook Battle of the Bay Hackathon 2012   *Oct 2012*
Build a logic gate simulator with a graphical interface in Python.
Rank 15, Hackerrank Back to School Hackathon 2013   *Feb 2013*