Chris C. Conway

6433 Telegraph Ave Unit A, Oakland, CA 94609   conwayc@berkeley.edu   708-567-9965

CS GPA: 3.3, Bachelor of Arts, Computer Science, University of California, Berkeley
Anticipate Completion, Fall 2014

Skills: Python, C, Java, ObjC, HTML, JavaScript, Git, iOS, Public Speaking, Creativity, Empathy
HTTPS clone URL: https://github.com/conwaychriscosmo/potential-adventure.git
Hacker Events:
    Summer '14: Short Course on Parallelism at UC Berkeley, Peer 2.0 Conference on network peering
    Spring '13: Stripe sponsored hackathon at UC Berkeley, Google Games at Google
    Spring '12: Yelp sponsored hackathon at UC Berkeley
Personal Projects:
    Generosity Engine: iOS app that uses location data to facilitate friendly surprises. The app is built on a ruby on rails back end using a MySql database that will be deployed on Heroku when ready for field testing.
    Music Maker: A simple program that maps mathematical functions to the fret board of a guitar.
Favorite School Projects:
- Performance-based development against benchmarks of a matrix multiplication algorithm in C using SIMD instructions from the x86 instruction set and OpenMP.
- Implemented a simple dice game that could be played online and the corresponding auto player with a partner in Python.
- A* search to solve sliding block puzzles modeling board states as nodes in a graph using a hash table to prevent cycles with a team of three others in Java.
- Boggle auto player using tries and trees for board and lexicon first solving strategies, respectively, in Java.
- Implemented a Map-Reduce algorithm in java to find the cooccurrence rate of ngrams in a corpus that runs using Hadoop on Amazon EC-2 clusters.
- Independently implemented a Pacman artificial intelligence in python.
- Developed an algorithm to find a maximum leaf spanning tree based on current algorithms research.

Work Experience

Debate Team Coach   **2010-2011**
El Cerrito High School
- Taught writing, delivery and argumentation techniques to a high school class of 25 students, including five students with learning disabilities.
    - The FALL 2010 Class demonstrated improvement within 2 weeks. Students who never had a winning record, previously, started to go undefeated and win tournaments.
- Motivated students to take an active interest in research and current events outside of class through debate.
- Chaperoned students at tournaments that take place across the nation.

Instructor
Education Unlimited   **July 2009**
- Taught delivery and debate skills to 13 middle school students.
- All students successfully developed and delivered speeches without any notes.