

Joshua Cole

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I'm an aspiring programmer and statistician looking to work on interesting projects. I spend my weekends programming because I enjoy it, I was top of my class in CS related courses, and I've contributed to multiple open-source project.

I am just the sort of person your organization is looking for.

Education

Goldenwest Community College

Major: Computer Science

MIT OpenCourseWare

For more details on what I learned through OCW you can view my work on [github](#).

Work

Freelancer

2012-2013

Skills

Languages

Clojure, C++, Python, Java, Javascript

Other

git, unix, html, css, mongodb, jquery, mysql, django

Notable Projects

Find Function

Written in Clojure

This is my contribution to a popular open source IRC bot that is used in #clojure. If you give the program the inputs and the outputs of a function you're trying to find, it will tell you the name of the function.

It has been praised numerous times within the channel and is one of the bot's most used features.

Extendable

Written in C++

This is a question and answer bot I built for my uncle. It runs on a proprietary video chat protocol that made C++ the right tool for the job.

Existing question and answer bots for this protocol required a new program to be written for each new game. When my uncle asked me to write him a bot that didn't currently exist I took it upon myself to write an infinite number of bots.

Thus, the project name. When you toss this program a Q&A file, it generates a new game complete with score tracking, admin functions, permission rules, and settings.

Rater

Written in Python

Rater is an attempt at improving on RateMyProfessor. It asks students to rank their teachers from best to worst. These rankings are transformed into "matches", pairs of teachers in which the teacher given the higher rank is thought of as the winner. This abstraction allows a teachers skill to be computed through the use of competitive ranking algorithms like Elo and TrueSkill. So my attempt at helping students find a good teacher has some theoretical backing that its competitors lack.

Anagram Scramble

Written in Python

This site is pretty simple. Users race to unscramble words. Word info is fetched so that people can expand their vocabulary while playing. It supports concurrent users and keeps track of scores if you register.

Hobbies

Programming, Statistics, Chess, League of Legends, Lazer Tag

References

Available on request