Chester (Chet) Karl Weger

https://github.com/chetweger/
ckw02010@mymail.pomona.edu

Objective

To obtain a full time software development position that leverages and develops my skills and interests.

Education

Bachelor of Science, Computer Science, Minor in Mathematics, Anticipating Graduating in May 2014
Pomona College, Claremont, California

Personal Projects

- Interactive Tic-Tac-Toe: can you beat the AI?
- Self Learning Meta Tic-Tac-Toe: watch the AI improve its state-evaluation constants using temporal difference learning.
- Interactive Meta Tic-Tac-Toe: test your abilities against the AI. Adjust its search depth parameter to change its skill level. Adjust its evaluation constants to change its behavior.
- Using the Copy Model for Edge Attachment to Evaluate the Stability of Graph Clustering: reproducing and extending results from a paper in graph/social-network analysis.
- E-Flashcards: create, organize, and review digital flashcards.

Relevant Experience/Employment

- Harvey Mudd Upward Bound Program – Tutor (Sept 2010 – May 2011)
- POM CS052: Foundations of Computer Science – Technical Assistant (Aug 2012 – Dec 2012)
  - Responsibilities included grading homeworks and holding office hours to answer questions.
- Pagewoo/Nearwoo – Software Engineering Intern (June 2013 – August 2013)
  - Developed a module to automatically generate information about a user's business. Performed integration with the yelp business search API as well as building a scraping component to find, among other things, relevant pictures that would be useful in banner ad creation.
  - Performed other miscellaneous scraping and web development tasks.
- Harvey Mudd Clinic Program; Project Sponsor: The Rubicon Project; Title: Respectful Cross Device Attribution – Student (Sept 2013 – present)
  - Project's goal is to be able to match devices – to be able to say these two devices might belong to the same person.
  - Played a key role in creating the design for the project, pushed for similarity hashing as a technique to group device profiles.
  - Researched, designed, and implemented similarity measures that operate on pairs of device profiles.

Programming Skills

Languages	Languages	Libraries/APIs	Libraries/APIs	Tools/Environment	Other
Python (3)	C++ (2)	Django (2)	Numpy (1)	Git (3)	AppEngine (3)
Java (3)	Prolog (1)	Webapp2 (2)	AngularJS (1)	Subversion (2)	Heroku (3)
C (3)	Lua (1)	Cascading (2)	OpenCL (1)	Unix terminal and 20+ common utilities (3)	S3 and EC2 (2)
JavaScript (2)	D (1)	Pygame (2)	Various OAuth APIs (1)	Vim (3)	HTML (2)
Scala (2)		Pyjamas/pyjs (2)		Eclipse (3)	CSS (1)
SML (2)		Sklearn with numpy and matplotlib (2)		IntelliJ IDEA (2)	JSON
Haskell (2)					XML

Lines of code written in/with: 200-500: Beginner (1); 500-2000: Intermediate (2); 2000+: Advanced (3)

Relevant Coursework

Introduction to Computer Science, Data Structures, Fundamentals of Computer Science, Algorithms, Computer Systems, Computability and Logic, Programming Languages, Artificial Intelligence, Social Network Analysis, Machine Learning, Computer Science Seminar, Clinic, Linear Algebra, Calculus III, Combinatorics, Analysis, Advanced Linear Algebra, Probability.

Hobbies Backpacking, rock climbing, ultimate frisbee, and other outdoors activities.

Values Honesty, Reliability, Candidness, Humility, Technical Innovation, Adventure, and Fun.

References Will be provided if requested.