Shea Conlon

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Academics

University of California, Berkeley
    Pursuing B.A. in Computer Science, Class of 2019
    GPA 3.93, Dean's Honors
Completed coursework: prerequisites, algorithms, AI, linear algebra, and CS pedagogy
Current coursework: machine learning, databases, circuits

Skills

Programming Languages: proficient in Java and Python, has working knowledge of
    HTML/CSS/JS, PHP, C, R, Scheme, MIPS, LaTeX
Areas of experience: machine learning, Bayesian optimal control, web design/development,
    server administration, CS pedagogy
Languages: English Department award for excellence in writing, conversational Spanish

Experience

CS 61A Staff: Graduate Student Instructor, UC Berkeley   August 2016 – present
    Taught 30-student section foundations of CS at weekly labs and discussions, held office
    hours, and proctored exams. Worked with team of 40 other GSIs and the professor. Helped
    supervise and mentor 40 group tutors and 250 academic interns.
Boettiger Lab: Research Assistant, UC Berkeley   May 2016 – August 2016
    Wrote custom implementations of machine learning, optimal control, and Bayesian
    optimization tools, including a model equivalent to an infinite neural network. Tuned and
    applied to ecological management problems.
CS 61A Staff: Academic Intern and Group Tutor, UC Berkeley   January 2016 – May 2016
Boettiger Lab: Research Apprentice, UC Berkeley   September 2015 – May 2016
App Development Team: President, Irvington High School   Apr 2013 – Nov 2013
    Taught team of 12 basic HTML and CSS. Lead team to develop mobile app concept, enter
    Verizon Innovative App Challenge, and begin development of the app.
Class of 2015 Council: Multimedia Commissioner, Irvington High School   Mar 2012 – Jun 2015
    Designed and developed class website, including blog and polling system. Created graphics
    in Photoshop for promotion of class events on social media.
Hobbyist programmer   2010 – present
    Became comfortable with quickly picking up new tools and working under uncertainty.

Portfolio

github.com/sheaconlon/fractals: threaded, interactive fractal viewer for browser
github.com/sheaconlon/handwriting: self-implemented neural network for digit recognition
github.com/boettiger-lab/shea-research: implementations of SDP, GP regression, and MCMC
github.com/boettiger-lab/gpmanagement: applications of above to ecological management