Steven Traversi

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http://steven.education

Education

University of California, Berkeley – 3.67 GPA
  Computer Science – 2017

Experience

Undergraduate Student Instructor for CS10 at UC Berkeley (fa14 – present)
  Teach labs and discussions on algorithms, algorithmic complexity, higher order functions, and Python.

TA in Training for CS10 at UC Berkeley (sp14)
  Wrote and taught section material. Assisted in lab. Python review.

Exploratorium Teacher Institute CalTeach Intern (su14) Volunteer (su13)
  Commissioned for and successfully developed a cost-effective refractometer and a DIY loudspeaker, both for continued use by the Teacher Institute.

Projects

Personal Website (http://steven.education)
  Wrote a website from scratch. Pages exhibit HTML5, CSS3, Jquery work.

Website for CS10 Practice (http://steven.education/cs10)
  A site for use by CS10 students to further their knowledge of class topics. Implemented lazy image loading, cutting page load time by 63%.

Email Confirmation System
  POST to Google sheet, Google script-based database. Confirmation email is sent and ensures secure confirmation with personal keys.

Higher Teaching Foundation Website (http://www.higherteaching.org)
  Write and maintain this domain.

Graph Library with Trip Planner
  Implemented a graph data structure with a route-finding and Make clients.

KJumping Cube
  Created the game KJumping Cube in Java with a GUI and devastating AI.

Classes

Structure and Interpretation of Computer Programs, Data Structures (A+)
Discrete Mathematics and Probability Theory (A)
  Error-correcting codes, hashing, public key cryptography, random variables
Snap! Development Decal
  Anti-cheating scheme with hashed dates in exported project XML.

Skills

Proficient in: Java, Python, CSS3, HTML5
Currently Learning: Swift, Objective-C, JavaScript, jQuery, C, Ruby on Rails