ARMEN OURFALIAN

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EDUCATION

Master of Science, Computer Science   *Expected: 06/2018*
   California State University, Northridge

Bachelor of Science, Physics   *06/2013*
   University of California, Los Angeles
   GPA: 3.1

TECHNICAL SKILLS

Experienced:	JavaScript, HTML5, Microsoft Word, Excel, PowerPoint
Proficient:	C++, C, Java, CSS, LabVIEW, Mathematica, jQuery, LaTeX
Familiar:	Python, Scheme, PHP, MySQL

INDEPENDENT PROJECTS

Physics Engine:
◘ Real-time simulation of particles-in-a-box that apply conservation of energy and obey Newton's laws of motion
◘ Object-oriented approach, with a strong focus on reusability

Word Search:
◘ Interactive word search puzzle game based in a web browser
◘ Puzzle engine that randomly generates an array of letters and ensures that target words are found
◘ Optimized user controls for an intuitive experience

Riddle Simulation:
◘ Interactive simulation of a riddle in a web browser
◘ Implements drag-and-drop user controls with native JavaScript

RGB Colors:
◘ Produces multiple palettes of colors, their RGB values, and their Hexadecimal codes

WORK EXPERIENCE

Teacher/Administrator
Sylvan Learning Center   *10/2015 – 08/2016*
◘ Worked with students (grades K – 12th) on a three-on-one basis
◘ Prepared a curriculum of science experiments for a prekindergarten summer school program
◘ Inputting, updating, and cross-referencing data for over 250 students

Math and Science Instructor
Rose and Alex Pilibos High School   *11/2013 – 06/2015*
◘ Subjects taught: Chemistry, Physics, AP Biology, AP Physics, Algebra II
◘ Taught 10th, 11th, and 12th grade classes (sized between 15 – 30 students)
◘ Established the AP Physics class for the school
◘ Doubled the number of students who passed AP Biology from the previous two years

Senior Student Supervisor
Kerckhoff Coffee House   *11/2010 – 07/2013*
◘ Managed a staff of over 40 student employees
◘ Prepared the daily schedule of employees for 17-hour workdays

MISCELLANEOUS

◘ Scored 100 percent on the Quantitative Reasoning Section of the GRE (97th percentile)
◘ Foreign Languages: Armenian (fluent), some Spanish
◘ Portfolio: http://armenourfalian.com/