Scott Lee

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Education

University of California, Berkeley
B.A., Computer Science; B.A., Statistics
GPA: 3.80 | Expected Graduation: 2020

Coursework (Completed by Fall 2017)
Computer Science
CS 61A | SICP
CS 61B | Data Structures
EE 16A | Information Devices and Systems

Data Science
CS 8 | Foundations of DS
CS 100 | Principles & Techniques of DS

Statistics & Mathematics
STAT 134 | Concepts of Probability
MATH 53 | Multivariable Calculus
MATH 54 | Linear Algebra & Diff Eq
CS 70 | Discrete Math & Probability

Technical Skills

Web Development
HTML, CSS/Less, JS, jQuery, Bootstrap

Programming
Python, Java, SQL

Miscellaneous
LaTeX, DLSR Photography, Lightroom, Sketch

Experience

Brilliant, Inc. (brilliant.org)
Data Science Intern | May 2017 - Aug 2017
- Conducted data analysis using SQL and Python on over 1 million emails to evaluate the impact of algorithm changes and user behavior.
- Brainstormed and produced curricula for various CS and data science courses, including CS & DS fundamentals, neural networks, and algorithms.
- Surveyed behaviors of thousands of users and utilized user feedback to augment and polish existing educational content.

ASUC Office Of The CTO, BerkeleyTime (www.berkeleytime.com)
Lead Frontend Engineer | Sept 2016 - Present
- Developed new features for UC Berkeley's most popular course catalog, with over 26,000 unique monthly users.
- Led small team of developers in designing and implementing a new schedule builder feature.
- Spearheaded UI/UX redesign and optimized website user workflow.

Berkeley Institute for Data Science (bids.berkeley.edu)
Data Science Education Program, Curriculum Committee | Feb 2017 - Present
- Developed data science curriculum for a gender studies research course at UC Berkeley (GWS 101).
- Created general data science curriculum that can be used across various fields using iPython.

TheCoderSchool (thecoderschool.com)
Coder Coach | Jan 2016 - June 2016
- Led group coding classes and semiprivate lessons in Scratch, Snap, Javascript, Python, and Java.
- Improved existing curriculum for group classes and pioneered new set of course materials for individual lessons.

Projects

Jesture (devpost.com/software/jesture-ver-ddoski)
- Worked on team of 4 at Cal Hacks 3.0 to build gesture application with the Synaptics touchpad.
- Implemented API for Spotify, Slack, Facebook, and more, then linked to a sleek web UI.
- Built with HTML, CSS, Javascript, jQuery, Bootstrap, JSON, Python, C, and AppleScript.

Song Classifier (https://github.com/scottjlee/song-classifier)
- Created a classifier that was able to distinguish between country and rap songs based on lyrics frequencies.
- Achieved an accuracy rate of 89% using TensorFlow's neural net classifier and was selected as a winner for a class contest.

Delta (deltacalc.herokuapp.com/demo)
- Online open-source calculus curriculum with textbook, supplemental videos, and other resources.
- Randomly generated practice problems, with immediate feedback, hints, detailed solutions.
- Created algorithm that learns which types of problems a student has trouble with and gives extra practice.
- Built with HTML, CSS, Javascript, jQuery, Bootstrap, and Ruby on Rails.