Scott Lee

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Education

University of California, Berkeley 2016 - 2020
B.A., Computer Science; B.A., Statistics; 3.90

Relevant Coursework: Data Structures, Foundations of Data Science, Techniques of Data Science, Concepts of Probability, Linear Algebra & Diff Eq, Multivariable Calculus, Discrete Math & Probability

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 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.

Selected Projects (And more on my website!)

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.
- Built with Python and TensorFlow.

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.

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.

Technical Skills

Programming: Python, Java, SQL
Web Development: HTML, CSS/Less, JS, jQuery, Bootstrap
Miscellaneous: LaTeX, DSLR Photography, Lightroom, Sketch