Scott Lee

Data Scientist / Software Engineer

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Location Berkeley, CA
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Education

University of California, Berkeley M.S. EECS (AI & Computer Vision) 2019 - 2020
B.A. Computer Science 2016 - 2019 (3.86 / 4.00)

Selected Coursework: Machine Learning, Artificial Intelligence, Computer Vision, Optimization, Algorithms, Data Structures, Database Systems, Probability & Random Processes, Statistical Theory, Linear Modeling

Experience

Software Engineering Intern Lyft — San Francisco, CA May 2019 - Aug 2019
— Adaptive Pricing Team

Software Engineering Intern Rubrik — Palo Alto, CA May 2018 - Aug 2018
— Worked on Rubrik's first SaaS product, Office 365.
—Designed an implemented a robust cloud database system compatible with various cloud providers (AWS, Azure, GCP, etc).

Research Assistant RISELab — Berkeley, CA Feb 2018 - Present
— Currently working on human 3D reconstruction and projection.
— Previously worked on EKG classification at UCSF School of Nursing.

Head Teaching Assistant (UGSI) Data 8 — Berkeley, CA Aug 2017 - Present
— Prepared materials, taught lab section, held office hours, and developed assignments.
— Facilitated class logistics, including managing staff, organizing exams, and overseeing enrollment for a class of 1400 students.

Data Science & Education Intern Brilliant — San Francisco, CA May 2017 - Aug 2017
— Conducted analysis using SQL and Python on 1+ million emails to evaluate email algorithm effectiveness and created a proposal that increased clickthrough rate by 30%.
— Designed and produced curricula for "Math for Computer Science" and "Intro to Data Science" courses.

Technical Skills

Python (+ Pandas, Scikitlearn, TensorFlow, Apache Spark), SQL, R, Java, Go, C
HTML, CSS/LESS, Javascript, jQuery, Bootstrap

Projects (More on my website; links to live project are underlined.)

Object-Focused Edge Detection [PAPER] — Python, PyTorch
— A general method for altering general algorithms for edge detection in order to produce edge mappings that focus on one or few individual objects in an image.

Light ResNet — Python, PyTorch
— A lightweight PyTorch implementation of ResNet with essential configurable parameters.

BerkeleyTime — HTML, CSS, JS, Django, MySQL...
— BerkeleyTime is an augmented course catalog that provides data on courses, enrollment trends, grade distributions, and more. I serve as the Product Manager and Data Scientist for BerkeleyTime, and was previously Lead Engineer.
— We just wrapped up a course scheduler, and are currently working on a data-centered initiative with student course data (such as course recommendations, automatic course plan generation, and intelligence course classification).

Song Classifier — Python, Tensorflow
— Created a deep learning classifier that categorizes songs as either country or hip-hop based on lyrics frequencies.
— Achieved an accuracy rate of 89% and was selected as one of 10 winners of a 200-member Kaggle contest.

Jesture (Cal Hacks) — HTML, CSS, JS, jQuery, Bootstrap, JSON, Python
— Built a utility application that detects different gestures and triggers varying options (e.g. pause music on Spotify).
— Implemented API for Spotify, Slack, Facebook, and more, then linked to a sleek web UI.