Scott Lee

Software Engineer

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Education & Skills

University of California, Berkeley

M.S. EECS (2020)
Concentration: AI & Computer Vision
Advisor: Joseph Gonzalez

B.A. Computer Science (2019)
3.86 / 4.00, High Distinction

Selected Coursework

Computer Science: Machine Learning, Computer Vision, Artificial Intelligence, Advanced Robotics, Algorithms & Complexity, Database Systems, Computer Architecture
Statistics: Probability & Random Processes, Optimization Models, Financial Engineering, Theoretical Statistics, Linear Models

Skills

Python (PyTorch, TensorFlow, scikit-learn, Pandas, Spark)
SQL, R, Java, Go, C
HTML, CSS/LESS, Javascript, jQuery, Bootstrap

Experience

Lyft • Software Engineering Intern (Adaptive Pricing) • San Francisco, CA — 2019

Dual project between infrastructure (generalized pricing API) and modeling (MVP of new pricing model). Conducted extensive data analysis and feature engineering, created robust endpoints to fetch features, and experimented with pricing models.
Skills: Python, SQL, Analytics/Monitoring (Kibana, Grafana)

Rubrik • Software Engineering Intern (Office 365) • Palo Alto, CA — 2018

Designed and implemented a robust cloud database system compatible with various cloud providers as part of Rubrik's first SaaS product, Office 365.
Skills: Go, Python, C

UC Berkeley • Head Teaching Assistant (Data 8 / Data 100) • Berkeley, CA — 2017 - Present

Managed a team of 50 TAs and 60 tutors for UC Berkeley's introductory data science course of over 1500 students. Led discussion sections, developed automated grading infrastructure, facilitated logistics, and created course materials.

RISELab • Graduate Researcher • Berkeley, CA — 2018 - Present

Currently working on broad NLP problems (word embeddings), advised by Professor Joseph Gonzalez. Previously worked on human 3D reconstruction and EKG classification.

Brilliant • Data Science & Education Intern • San Francisco, CA — 2017

Conducted data analysis on 2+ million emails to improve email clickthrough rate. Contributed to curricula for CS Fundamentals and Artificial Neural Networks courses.
Skills: Python, SQL

Projects & Research

More on my website: scottjlee.github.io

Object-Focused Edge Detection • 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.

BerkeleyTime • HTML, CSS, JS, Django, MySQL…

An augmented course catalog used by over 30,000 users; it provides data on courses, enrollment trends, grade distributions, and more. I have been a Product Manager and Lead Engineer on the team.

Light ResNet • PyTorch

A lightweight PyTorch implementation of ResNet with key configurable parameters.