

ELLEK LINTON

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Education

University of California, Berkeley, B.A. in Data Science

GPA: 3.6

Graduation Date: May 2020

ACT: 33

Coursework: Data Structures, Computer Programs, Principles of Data Science, Linear Algebra, Discrete/Continuous Probability, Calculus, Differential Equations, Economics, Statistical Inference, Machine Learning, Data Ethics

Work Experience

Revenue Operations Data Scientist

May 2019 – Present

Instructure, Inc. / Canvas

Salt Lake City, UT

- Tested and deployed a custom automated Python tool that managed account & opportunity territory alignment
- Saved Instructure over \$250,000 by optimizing go-to-market team focus and increasing pipeline generation
- Cleaned up/enriched over 15,000 Salesforce opportunities to ensure accurate data population for better analytics
- Identified & analyzed 20,000 duplicate Salesforce accounts via compound fuzzy-string matching in Python

Project Manager, Consultant, & Senior Advisor

August 2018 – Present

Data Science Society at UC Berkeley, Consulting Division

Berkeley, CA

- Cleaned, compiled, and merged data from 3 distinct raw datasets, totaling 350,000 rows & 200 columns
- Managed team of six, analyzed large dataset, discovered new correlations and explained relative variance in data
- Visualized data trends, patterns, and correlations; presented findings & inferences to corporate executives

Personal Projects

Founder, Baus Playlists (beta at <https://baus.cc/beta>)

May 2019 – Present

Python, Java, iOS (Swift), Google Firebase/Firestore, Google Cloud

Berkeley, CA

- Designed and engineered AI model to dynamically generate optimally ordered playlists from one “seed” song
- Authored all code from scratch, including APIs, model training/prediction, unit tests, and efficiency optimization
- Structured & optimized original database of over 800,000 songs with 13 predictive song features and attributes
- Overcame KNN-classifier *curse of dimensionality* (13 dimensions) and improved runtime from $\Theta(n)$ to $\Theta(\log(n))$

Founder, Authentic8r (Counterfeit Sneaker Detector, on App Store)

March 2018 – Present

Neural Networks (Tensorflow), iOS (Swift), Python

Berkeley, CA

- Created and trained custom Tensorflow neural network to detect counterfeit sneakers, achieved 85% accuracy
- Attained 1,800 users, collected over 20,000 images from users, & currently maintaining 100 active weekly users
- Developed cloud-based Swift implementation of Tensorflow for continuous, real-time model deployment

Founder, Twitter Growth Engine

February 2018 – February 2019

Neural Networks (Tensorflow), Python, NumPy, Pandas, Tweepy API

Berkeley, CA

- Developed Python algorithms to target following specific users, using neural networks & other data analysis tools
- Achieved 12x higher follow-back ratio under the algorithm, up to 40%, and gained 600 followers per day
- Architected & maintained private database containing metadata and behavior for 50,000 Twitter users
- Attained 26 million impressions on a single tweet, & averaged 1.7 million impressions per day at peak

Skills & Interests

Programming Languages: Python (Pandas, NumPy, Matplotlib, etc.), SQL, Java, Swift, Lisp, Objective-C, + more

Skills: Machine Learning, Neural Networks, Artificial Intelligence, Tensorflow, Data Modelling, Data Engineering, Data Scraping, Data Optimization/Efficiency, Data Analysis, Software Engineering, Unit Testing

Interests: Spanish Guitar, Longboarding, Hacking, Mountain Biking, Travelling, The Godfather