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/Structures, Principles of Data Science, Linear Algebra, Discrete & Continuous Probability, Vector Spaces, Calculus, Differential Equations, Economics, Statistical Inference

Work Experience

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, organized, compiled, and merged data from raw dataset 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 (Releasing Soon) **May 2019 – Present**
Python, Java, iOS (Swift), Google Firebase/Firestore, Google Cloud *Berkeley, CA*
- Created AI to dynamically generate optimally ordered playlists in $\Theta(log(n))$ runtime from one "seed" song
- Authored 100% of code from scratch, including APIs, libraries, and machine learning model training/prediction
- Structured & optimized original database of over *800,000* songs with *14* predictive song features and attributes
- Overcame the KD-Tree *curse of dimensionality* 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 custom Tensorflow neural network/model to detect counterfeit sneakers, achieved 85% accuracy
- Attained 1,300 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 refinement

Creator, 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

Skills & Interests

Programming Languages: *Python (Pandas, NumPy, MatPlotLib, etc.), SQL, Java, Swift, Lisp, Objective-C*
Skills: *Machine Learning, Neural Networks, Artificial Intelligence, Tensorflow, Keras, Data Modelling, Data Engineering, Data Scraping, Data Optimization/Efficiency, Data Analysis, Software Engineering, Testing*
Interests: *Spanish Guitar, Longboarding, Hacking, Mountain Biking, Travelling*, *The Godfather*