ELLEK LINTON

✉ ellek.linton@berkeley.edu 📞 (425) 429-1277 🏠 4897 S Viewmont St, Holladay, UT, 84117
in www.linkedin.com/in/ellek ○ www.github.com/EllekLinton 🌐 www.elleklinton.com

Education

University of California, Berkeley (2021)	**GPA: 3.6**
Major: B.A. in Data Science, Minor: Computer Science	**ACT: 33**

Coursework: Data Structures, Program Structures, Computer Programs, Foundations of Data Science, Linear Algebra, Discrete Probability, Vector Spaces, Calculus, Differential Equations, Economics, Statistical Inference

Projects

Founder, Flow Playlists   **May 2019 – Present**

Python, Java, iOS (Swift)   *Berkeley, CA*

- Created AI to dynamically generate ordered & optimal playlists in constant time from one "seed" song
- Structured & optimized original database of over 600,000 songs with 21 predictive song features and attributes
- Authored 100% of code from scratch, including APIs, libraries, and machine learning model training/prediction

Founder, Counterfeit Sneaker Detector (Authentic8r)   **March 2018 – Present**

Neural Networks (Tensorflow), iOS (Swift), Python   *Berkeley, CA*

- Created custom machine learning model to detect counterfeit sneakers, achieved 85% accuracy
- Attained 1,300 users, maintained 100 active weekly users, & collected 20,000 images from users
- Developed cloud-based Swift implementation of Tensorflow for continuous, real-time model refinement

Creator, Twitter Growth Engine   **February 2018 – Present**

Neural Networks (Tensorflow), Python, NumPy, Pandas, Tweepy API   *Berkeley, CA*

- Developed Python algorithms to target specific new users using neural networks & other data analysis tools
- Achieved 12x higher follow-back ratio under the algorithm, and gained 600 followers per day
- Created & 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

Work Experience

Data Science Intern   **May 2019 – Present**

Instructure, Inc. / Canvas / Bridge   *Berkeley, CA*

- Cleaned up & enriched over 10,000 Salesforce accounts to ensure accurate data population
- Identified & analyzed 20,000 duplicate Salesforce accounts via sophisticated Python/data techniques
- Authored Python script to dynamically create Salesforce data dictionary for all objects instantaneously
- Engineered restructuring & reimplementation of more efficient and intuitive territory structure

Project Manager & Consultant   **August 2018 – Present**

Data Science Society at UC Berkeley   *Berkeley, CA*

- Cleaned, organized, & compiled data from raw dataset containing 350,000 rows & 200 columns
- Managed team of 6, analyzed large dataset, & built neural network to make predictions from dataset
- Visualized data trends/patterns & presented findings & inferences to corporate executives

Skills & Interests

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