Jacob Tran

719-231-2201 | JacobTran1996@gmail.com | github.com/brokencommit | jacobtran.net

Work Experience

Big Compass | Software Consultant   Jun '19 – Aug '20

Disney - Data Engineer
Streamlined and cleansed different payment processor data into a standardized format. Allowed the client to run analysis on all payment processors with ease.

Disney - Developer
Designed an automated system to report the relationship between supervisor and staff.

Developer
Created a universal dashboard service for our future clients to get real time data about their API usage, cost predictions, core utilization and much more within Mulesoft 4.

Technical Projects

ProseAlign   Oct '19 – Feb '20

Personal problem, global word-level sequence alignment
Designed an algorithm to align two large bodies of text. Current character-level sequence alignment algorithms are too slow for larger text. By using word-level alignment followed by strategic character-level alignment, we can greatly improve performance and efficiency.

Universal Custom Video Playback Speed   Oct '19 – Dec '19

Personal problem
Created a Google Chrome extension to allow for custom video speed (i.e. 0.49x, 1.33x speed) on most HTML based video players.

Visual Tracking Analysis   Sep '18 – May '19

College senior project, for Northrop Grumman
Analyzed various deep learning models to identify and detect moving objects in videos. Compared the accuracy and efficiency of modern models and gave recommendations on recurrent neural networks for object identification and detection. Improved performance of vehicle detection to 93% accuracy compared to last year's team at 84%.

Technical Skills

Languages   Python • Java • JavaScript • C++ • SQL • HTML/CSS

Software Tools   GitHub/Git • AWS • WebMethods • Tableau • Snowflake DB • Splunk

Certifications

AWS   Certified Solutions Architect Associate   Aug '19

Boomi   Professional Integration Developer   Jun '20

Education

University of Colorado Boulder   May '19

Bachelor of Science, Computer Science   Major GPA: 3.6 - Cumulative GPA: 3.2