

Jacob Tran

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

Education

University of Colorado Boulder

Bachelor of Science, Computer Science

May '19

Major GPA: 3.6 - Cumulative GPA: 3.2

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 clients to get real time data about their API usage, cost predictions, core utilization and much more within Mulesoft 4.

Personal Projects

ProseAlign

Oct '19 – Feb '20

Global word-level sequence alignment

Designed an algorithm to align two different transcriptions of Harry Potter to find differences in dialect. Current char-level sequence alignment algorithms are too slow for larger text. By using word-level alignment you can find the word in which the sequence broke and then run char-level alignment to find the broken segment.

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

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