

Jacob Tran

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Work Experience

Big Compass | Software Consultant

Jul 2019 – Present

- Dependent on project.

Projects

Visual Tracking Analysis | Data Lead

Sep 2018 – May 2019

Senior Project for Northrop Grumman

Python, PyTorch, Keras, Tensorflow, OpenCV, scikit-learn

- As the data lead, I was responsible for evaluating the accuracy of different object tracking/detection algorithms for live and offline video feeds. Contributed to the implementation of these algorithms.
- As a team we analyzed various deep learning models to identify and detect moving objects in videos. We compared the accuracy and efficiency of modern models and gave recommendations on recurrent neural networks for object identification and detection.

“PlayerKnown’s Battlegrounds”

Jan 2018 – May 2018

Project for Data Mining Course

Python, Jupyter Notebook, scikit-learn

- Mined data from the popular video game, PlayerUnknown's Battlegrounds. As a group, we designed an in-depth survival guide pertaining to giving players the best tactics for surviving longer, managing weapons and planning path of travel.
- “Big Data” where we mined information from one million data points.

Technical Skills

Languages Python • C++ • Java • JavaScript • NodeJS • MySQL • HTML/CSS • Matlab • Scala

Software Tools GitHub/Git • Travis CI • AWS • Tableau • Spring Framework • Slack

IDE/Text Editors IntelliJ • Vim • Nano • Visual Studio • Anaconda/Jupyter Notebook

Education

University of Colorado Boulder

Aug 2015 – May 2019

Bachelor of Science, Computer Science
Major GPA: 3.6

GoldShirt Scholarship
Cumulative GPA: 3.2

Relevant Coursework

Data Structures (C++)
Object-Oriented Analysis and Design (Java)
Introduction to Data Science (Python)
Programming Workshop (C++)

Algorithms (Python)
Introduction to Artificial Intelligence (Python)
Data Mining (Python)
Database Systems (SQL/NoSQL)