Jacob Tran

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Work Experience

Big Compass | Software Consultant   **Jul 2019 – Present**
- Dependent on project.

Projects

Northrop Grumman Neural Network Project | Data Lead   **Sep 2018 – May 2019**
Project for Senior Capstone   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 • Bash • Matlab • Scala
Software Tools GitHub/Git • AWS • Tableau • Slack • Heroku • Travis CI • Spring Framework
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   GoldShirt Scholarship
Major GPA: 3.6   Cumulative GPA: 3.2

Relevant Coursework

Data Structures (C++)   Algorithms (Python)
Object-Oriented Analysis and Design (Java)   Introduction to Artificial Intelligence (Python)
Introduction to Data Science (Python)   Data Mining (Python)
Programming Workshop (C++)   Database Systems (SQL/NoSQL)