

Jacob Tran

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Work Experience

Big Compass | Software Consultant

Jul 2019 – Present

- Software AG webMethods Engineer for a large media and entertainment company.

Certifications

- AWS – Certified Solutions Architect (Associate)

Aug 2019

Projects

Visual Tracking Analysis | Data Lead

Sep 2018 – May 2019

Senior Project for Northrop Grumman

Python, PyTorch, Keras, Tensorflow, OpenCV

- 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 and design of these algorithms.
- 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.

“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. 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 information from over one million data points were mined.

Technical Skills

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

Software Tools GitHub/Git • AWS • WebMethods • Travis CI • Tableau • 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)

Artificial Intelligence (Python)

Data Science (Python)

Data Mining (Python)

Programming Workshop (C++)

Database Systems (SQL/NoSQL)