

# Jacob Tran

719-231-2201 | JacobTran1996@gmail.com | github.com/jatr6994 | jacobtran.net

## Work Experience

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### Big Compass | Software Consultant

Jul 2019 – Present

- Dependent on project.

## Projects

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### 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 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

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**Languages** C++ • Python • Java • MySQL • JavaScript • NodeJS • 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

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### 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

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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)