

Jacob Tran

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EDUCATION:

University of Colorado Boulder | **May 2019**

- Bachelor of Science, Computer Science
 - GoldShirt Scholarship
 - Major GPA: 3.56
 - Cumulative GPA: 3.11
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WORK EXPERIENCE:

Big Compass | **Software Consultant**

July 2019 – Present

- Dependent on project.
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TECHNICAL SKILLS:

- **Languages:** C++, Python, Java, MySQL, MongoDB, Cassandra, JavaScript, NodeJS, PHP, HTML/CSS, Bash, Matlab, Scala, Hadoop
 - **Software Tools:** GitHub/Git, AWS, Tableau, Bootstrap, Slack, Heroku, Travis CI, Spring Framework
 - **IDE/Text Editors:** IntelliJ, Vim, Nano, Visual Studio, Anaconda/Jupyter Notebook
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PROJECTS:

Northrop Grumman Neural Network Project – Data Lead

September 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”

January 2018 – May 2018

Project for Data Mining Course (Python, Jupyter Notebook, scikit-learn) github.com/jatr6994/csci4502

- 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, statistics and clustering.
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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)