# Joshua Anderson

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Education

**Bachelor of Science, Computer Science** May 2020
**Analytics Minor & Game Development Programming Minor**
Chapman University, Dale E. and Sarah Ann Fowler School of Engineering, Orange, CA
Dean's Scholarship: Academic scholarship based off of GPA and SAT (2016-present)
Student Athlete: Swim & Dive team 2016-2017

Coursework

**Completed**
Statistical Models in Business
Embedded Systems
Machine Learning
Database Management

**In Progress**
Artificial Intelligence
Compiler Construction
Applied Business Analytics

Languages & Software

**Experienced:** Python, R, Java, MySQL
**Familiar:** React.js, C++, C, C#.NET, Android
**Software:** Unix, Git, Docker, Android Studio, 3DS Max, Unity, Unreal 4, Visual Studio, MS Office

Experience

**CISOSHARE** March 2019 - August 2019
*Applications Development & Vulnerability Analyst Intern - San Juan Capistrano, CA*
- Apply cybersecurity concepts such as security architecture & disaster recovery
- Build and debug a web application using the javascript library, React
- Interface with NoSQL databases with a web application using RethinkDB

**Machine Learning Assistive Technology (MLAT) Lab** February 2019 - May 2019
*Virtual and Augmented Reality Research, Chapman University - Orange, CA*
- Research interactive games to create AT for users on the autism spectrum
- Create a multiplayer baseball simulation game to assist in social interaction
- Develop and debug networking and data tracking features for the baseball simulation

**Ingram Micro** June 2018 - August 2018
*Data Analytics Intern, Internal Audit - Irvine, CA*
- Create and ran a SQL query to accurately and efficiently acquire data
- Output tables containing exceptions or significant values through queries
- Fully automated analytics project by configuring project on a server-based application

Projects

**Denver Crime**, *Python* January 2019
Predicts the next crime in a given neighborhood in the city of Denver with 400,000 data points of the most recent crimes as a reference point using three machine learning algorithms: Hierarchical Agglomerative Clustering, DBSCAN, and a first order Markov model.

**Stanford MSA**, *R* October 2019 - December 2019
An in depth analysis of mass shootings in America from 1966 to 2016. This project implements three machine learning algorithms: ElasticNet, RandomForest, and K-Means Clustering to find significant factors that affect the number of victims in a given mass shooting

Leadership

**Data Analytics Association** November 2019 - Present
*Internal Vice President - Chapman University, Orange, CA*
- Organize Internal events such as homework, and career development
- Research and organize competitions for the club to compete in
- Meet with the executive board to make decisions about the direction of the club