

ALEX STERN

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EXPERIENCE

Research Analyst

Los Angeles Chargers

July 2021 – Present Costa Mesa, California

- Specialized weekly advance scouting reports
- Ad hoc coaching reports and league-wide trend studies
- Game-specific 4th Down models and decision guides
- Free Agent models and projections
- Player profiles and projections for every draft-eligible player
- Accurately identified over- and under-valued college prospects using advanced models

Football Analytics Consultant

University of Virginia Football Team

July 2019 – April 2021 Charlottesville, Virginia

- Developed a website that allows coaches to interact with and manipulate visualizations to assist with game-planning
- Developed predictive models for advance scouting and game-planning purposes
- Relayed statistical research to the coaching staff in an easy to digest manner
- Developed transfer prospect evaluation models that control for strength of competition

Teaching Assistant, Software Development Methods

University of Virginia, Department of Computer Science

January 2019 – May 2019 Charlottesville, Virginia

- Assisted students during office hours with homework, projects, and technical questions related to software development in Java
- Participated in a TA practicum course to learn how to better assist students

Data Science Intern

Havas Helia

May 2018 – August 2018 Richmond, Virginia

- Built customer lookalike models used both for in-house tests and by clients
- Wrote Python packages to retrieve and manipulate SQL Server data

MOST PROUD OF

NFL Big Data Bowl
Player Scouting Algorithm Using Player Tracking Data

- Presenter: 2020 NFL Combine

A Data Science Student's Algorithm Has the NFL's Full Attention
<https://news.virginia.edu/content/data-science-students-algorithm-has-nfls-full-attention>

Honorable Mention, Sports Info Solutions Football Analytics Challenge
EDGE vs. DL Positional Value Model

Finalist, MIT Sloan Sports Analytics Conference Hackathon
MLB Pitch Type Analysis

STRENGTHS

Python R Java C++ SQL
Statistical Analysis Survival Analysis
Machine Learning Algorithms
Artificial Intelligence Apache Spark

EDUCATION

M.S. Data Science

University of Virginia

July 2020 – May 2021

B.A. Quantitative Statistics, Computer Science

University of Virginia

August 2017 – May 2020

- Dean's List of Distinguished Students