

STEVEN DUAN

Current Graduate Student with software industry experience seeking internships in data science or backend.

EDUCATION

- Tufts University**
 M.S. Candidate in Data Analytics
 Sep 2021 – Current
 Medford, MA
- University of Michigan - Ann Arbor**
 B.S.E in Computer Engineering
 2013 – 2017
 Ann Arbor, MI

WORK EXPERIENCE

- VLMY&R**
 Full Stack Developer
 Sep 2020 – Current
 Detroit, MI
 - Built the checkout and reservation list components (with React and Adobe AEM) of Ford's inaugural ecommerce website to ensure the program's launch in USA and EU regions.
- Stellantis (formerly Fiat Chrysler Automobiles)**
 Hybrid Diagnostic Calibration Engineer
 Jun 2017 – Aug 2020
 Chelsea, MI
 - Calibrated vehicle diagnostics and improved its robustness with Matlab's Simulink, reducing false diagnostic failures by 25% in Hybrid Pacifica Minivans.
 - Employed k-means clustering and linear regression with Python's sklearn to enhance statistical analysis and set calibration thresholds in half the time.

SELECTED PROJECT EXPERIENCE

- <https://www.doowanstats.com>
 Full Stack Developer
 Sep 2019 – Current
 Remote
 - Self-taught and created my own full stack MERN (React and NodeJS ES6) website for amateur Esports leagues.
 - Planned the entire database with both MySQL and DynamoDb.
 - Implemented REST APIs through ExpressJS, utilized AWS Lambda for third party API endpoints, and employed read/write cache with Redis.
 - Visualized data with React UI datagrids to display at least 20 different types of in-game stats and created scouting reports.

SELECTED PRESENTATIONS

- DATA-200 Final Project**
 Presented a model for analyzing possible direct impacts of environmental policies on climate change around the United States and the world.
 December 2021
 Medford, MA



CONTACT INFO

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SKILLS

Coding Languages: Python, JavaScript (Node & ES6), C++, C#, Java, Matlab

Frameworks: React, .NET

Cloud: AWS (Elastic Beanstalk, Lambda), Heroku (Deployment)

Databases: MySQL, SQL, MongoDB, DynamoDb

Data Analysis: R, RStudio

Environments: Linux

COURSES

Machine Learning
 Linear Algebra in Data Analysis
 Probability
 Communicating with Data
 Big Data

Last updated on 2021-12-06.