

TROY KAYNE

DATA SCIENCE & SOFTWARE ENGINEERING



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EDUCATION

DATA SCIENCE PROGRAM

Galvanize, Inc.
2018

B.A COMPUTER SCIENCE

University of Colorado Boulder
2014 – 2018

DEERFIELD HIGH SCHOOL

Deerfield, IL
2010 - 2014

KEY SKILLS

- **Python:** Django, NumPy, SciPy, SciKit Learn, Pandas, Jupyter
- **Data Analysis:** Linear/Logistic Regression, Bayesian, Regularization, Cross-Validation
- **Data Visualization:** SQL, Postgres, MongoDB
- **Web Dev:** REST API, Django/Flask, Ruby on Rails, Node.js, React/Redux, HTML, CSS
- **DevOps:** Docker, AWS, Digital Ocean, Heroku, Jenkins
- **Other:** C++, Git/Github, Agile/Scrum, VIM, Adobe Photoshop

PROJECTS

FIFA World Cup Analytics

October 2018

- Performed Data Cleansing and Feature Engineering of a given dataset on Kaggle
- Implemented a predictive model on the future champion using Linear Regression
- Used L1 and L2 Regularization and Cross Validation to optimize the best model

The Warm Up

September 2018

- Sports Journalism website I implemented from scratch
- LEMP full stack application with an Admin Portal

Little Bird Told Me

Spring Semester of 2017

- Team accomplishment of streaming over a million tweets with #hiring and links
- Web application that reveals Map Visualization of the data
- Hosted on AWS

EXPERIENCE

SOFTWARE ENGINEERING INTERN

Culture Craft Collective LLC / Boulder, CO / May 2017 – September 2018

- Launched Alpha by collaborating with a small team in a startup environment within 6 sprints
- Developed Full Stack Web application with a Django Backend
- Accomplished DevOps tasks using Docker and AWS

WEB DEVELOPER

Ignition Boulder / Boulder, CO / October 2015 – December 2015

- Developed functional web applications based on team objectives
- Collaborated with a team to efficiently finish projects

MAINTENANCE SUPERVISOR (SEASONAL)

Deerfield Public Schools / Deerfield, IL / June 2013 – August 2014

- Supervised a group of summer maintenance workers on school renovation projects
- Learned time management skills while juggling multiple projects throughout the summer