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PROJECTS

IronLog

2019-

- All-inclusive workout tracker, lets users pick premade workout routine or create their own.
- Django backend prioritizes flexibility, utilizing many-to-many model relationships which allows users multiple start-points to their log and reduces database redundancy.
- Dynamic frontend implemented in React using Redux state management for scalability.
- User token authentication employed via Knox, PostgreSQL used for database management.

Reddit.Record (redrec.stat90.com)

2019 -

- Designed web-app allowing users to explore sentiment and popularity by term&sub-reddit.
- Implemented using Python- it collects Reddit data through PushShift API, vectorizes it and analyzes sentiment with NLTK. Generated graphs are then served to frontend with Flask.

The Football Chronicle

2014-2016

- Created and curated a soccer blog which amassed 200,000 page views with no budget.
- Marketed organically on social media, recruited a team of 25 passionate authors.

Position Predictor (position.stat90.com)

2018 -

- Developed a web-app which predicts users' soccer position based on entered attributes.
- Trained a Classifier model, applying Principle Component Analysis reducing a 51 feature dataset to 11 while maintaining accuracy – deployed using Flask.

Stat90.com

2018 -

- Online sports platform based on data-driven visualizations and analyses, challenging traditional opinion-based article formats.
- Conceptualized as an outlet for my data-analysis hobby, affording me a platform to extrapolate on insights collected from my various self-scraped sports datasets.

EDUCATION

UC San Diego | La Jolla, CA 2015-

B.S Math-Computer Science

(Expected graduation- 2020)

SKILLS

- **Programming:** Python, Java, C++
- **Web:** HTML, CSS, jQuery, JSX
- **Database** - mySQL

RELEVANT COURSEWORK

- Data Structures & Object Oriented Design
- Math for Algorithms & Systems
- Combinatorics
- Game Theory
- Intro to Computational Statistics