

ADILBEK MOMUNALIEV

(813)766-5792

saken.nomad@gmail.com

[Linkedin: adilbek-momunaliev](#)

[GitHub: github.com/adilnomad](#)

[adilnomad.github.io/website](#)

SKILLS

Languages

Python

Java

C++

JavaScript

TypeScript

HTML / CSS

SQL

Technologies

Node.JS

React / Redux

AWS

Docker

PostgreSQL

MongoDB

Scikit-learn

Big Data

Spark

EDUCATION

University of South Florida

B.S. Computer Science

Aug 2015 - May 2019

Coursework:

Analysis of Algorithms

Data Structures

Operating Systems

Database Design

Geo Machine Learning

Computer Architecture

Image Processing

Campus Involvement:

USF Society of Competitive

Programmers (2018-2019)

WORK EXPERIENCE

Software Engineer Intern - 180ByTwo

Aug-Oct, 2018

- Using data analysis tools such as Spark, Machine Learning APIs etc, conducted analysis of large proprietary data sets to develop clever marketing programs for clients.
- Re-wrote queries on Spark platform to speed up execution from days to a couple hours, enabling the delivery of marketing campaign data in a timely manner.
- Solved the problem of joining two datasets by using Dedupe.io API, achieving the accuracy of matched entries to 91%.

Software Engineer Intern - Vixlet

Jun-Aug, 2017

- To enrich a user's profile page on the Vixlet platform, developed and integrated REST API endpoints what would supply information on individual's favorite sport's teams and athletes.
- Performed extensive unit testing of the endpoints using Mocha, achieving consistent response within 200ms under the load of serving thousands of clients.
- Collaborated with front-end engineers to help them coordinate and outline the format and structure of the API data.

PROJECTS

The Game of Life [Website](#) | [Github](#)

React, Bootstrap, GSAP, Heroku

- Build browser game where one can set a state and run simulation to see beautiful patterns emerge.
- Implemented a small library of the discovered patterns such as glider, pulsar, tumbler, and etc.

Sorting Visualizer [Website](#) | [Github](#)

React, Konva, GSAP

- Build visualization tool for sorting algorithms.
- Implemented Quick Sort, Selection Sort, and Insertion Sort with color coding.

Film Poster Lookup [Website](#) | [Github](#)

Node JS, GSAP, Heroku

- Website to lookup the poster of your favorite film.
- Implemented the project consuming the data from OMDB API and displaying it using DOM manipulation.

MDS Algorithm Visualizer [Github](#)

Tkinter, Scikit-learn, Matplotlib, Networkx

- Build desktop application that reduces the dimensionality of the graph.
- The Application takes input of the coordinates of the 3D graph and displays a reduced 2D graph.