

Kirubel Tadesse

COMPUTER ENGINEERING · SOFTWARE ENGINEER

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Education

Purdue University

MSECE IN COMPUTER ENGINEERING

West Lafayette, IN 47907

2017 - 2020

Jackson State University

B.S. IN COMPUTER ENGINEERING

Jackson, MS 39217

2013 - 2017

Skills

Programming

Python, Node.JS, C/C++, Java, LaTeX, SQL

Web & Design

Django, PHP, CSS, JavaScript(D3.js), Spring, React, HTML5, Adobe Illustrate, Bokeh

Infrastructure

Git, Travis CI, AWS, Vim, Tableau, TensorFlow

Experience

SparcLab with Purdue University

RESEARCH ASSISTANT

West Lafayette, IN 47907

Agu 2019 - Present

- Developed lab website which have publication page with search functionality by title, name, and keywords
- Designed a website template that adjust according to the device screen and used framework like Django implemented MVC
- Trained a Deep Neural Network on AWS using 10 years of data-set collected from Napa Valley

P3strategies

DATA ANALYST

Jackson, MS 37201

Jun 2015 - May 2016

- Analyzed Tableau Desktop and Server creating and managing dashboards
- Developed data structure and train in interns on Algorithm
- Analyzed and visualized data using Tableau

NASA Swarmathon

TEAM LEAD & SUMMER INTERN

Albuquerque, NM 87131

Jun 2016 - May 2017

- Researched a search algorithms in swarmie robots and created JSU NASA swarmathon team and encouraged students to join the team and coordinate weekly meeting to reviewed and evaluated progress
- Built and tested similar triangle model - with scaling, translate, and transform factors - against ROS-TF package
- Programmed a broadcaster and listen node in C++
- Presented a poster on 2016 RSS Conference

GoogleIgniteCS

GOOGLE CODE-IN MENTOR

Jackson, MS 39217

Nov 2017 - Jan 2018

- Managed students learn the ins and outs of NetLogo development and also provided support students
- Designed tasks for students that contributed work to understanding of search algorithm and robotics
- Coordinate mentor and administrator for volunteer work
- Reviewed work submitted by a student (including code review, documentation review, Sphinx)

Projects

Webpageranking (<https://github.com/kirubeltadesse/Webpageranking>)

CLASS PROJECT

- Developed a web based visualization application to rank websites based on user experience
- Node.js tool that interfaces with web page tester for the use of collecting live data.
- Implemented Ordinary Least Squares (OLS) model to predict web ranking
- Created a dashboard in Bokeh to visualize and analysis the data-set
- Formulate a predictive model to express user interaction with the website

Wine (<https://github.com/kirubeltadesse/research>)

PERSONAL

- Collected data for in wine harvest data and analysis weather data.
- Programmed a script to interact with the data-set before the training a model
- Normalized and trained the classification model on AWS