

ABDULLAH AL MAMUN

Software Engineer

@abdullahrens@gmail.com
moon05.github.io

+1 585 309 3001
abdullah05

Albuquerque, New Mexico, USA
moon05



EXPERIENCE

Software Engineer

Tone SMS Marketing & E-commerce

July 2020 – September 2020 Cambridge, MA

- Built new features and workflow using JavaScript, TypeScript and React
- Wrote SQL queries for new features and update older queries with TypeORM for modularity
- Actively collaborated in design paradigm improvements and API decisions

Data Science Research Associate

ROC Human-Computer Interaction Lab

May 2018 – May 2020 Rochester, NY

- End-to-end development of Python pipeline to extract dynamic skeletal keypoint features, using OpenPose framework, from 1000+ videos of Parkinson's patients
- Leveraged Random Forest, Kernel Support Vector Machine and other Machine Learning algorithms to classify patients with and without Parkinson's using Python, Scikit-Learn, Pandas and Keras
- Designed and maintained the PARK international web application platform using Vanilla JavaScript and PHP to collect videos of remote Parkinson's patients performing diagnostic tests, as well as adding new features

PROJECTS

Calorie Counter React Native App

February 2021

- Developed Minimal calorie counting app
- Various data visualization using Victory Charts and SQLite for offline data storage
- moon05/CalorieCounterApp

Treez Chrome Extension

December 2020

- Built React-based Chrome extension that helps you learn about new plants on every new tab using React, JavaScript, Python and Flask
- moon05/treez_extension

LIFE PHILOSOPHY

"Don't be pushed by your problems. Be led by your dreams."

EDUCATION

B.A. in Computer Science

University of Rochester

Aug 2013 - May 2018 Rochester, NY

- Concentration on Human-Computer Interaction and Applied Machine Learning
- Renaissance and Global Scholarship (\$350,000)
- Research Innovation Grant awardee (\$5,000)

LANGUAGES

English



Bengali



SKILLS

Python

Java

JavaScript

SQL

TypeScript

Django

Flask

React

React Native

Git

Airflow

Jira

Figma

Photoshop

HOBBIES

Hiking, Camping and Photography

Scaled Whiteface Mountain of the high peaks in Adirondacks near Lake Placid in NY. Practice Wildlife Photography.

Multimedia Visual Art & and Graphics

Traditional and Digital Japanese style Character Design

REFEREES

Prof. Ehsan Hoque

@University of Rochester

mehoque@cs.rochester.edu