

Experience

RESEARCH ASSISTANT | NJIT- AMY HOOVER | OCTOBER 2019- CURRENT

- Implement code from scratch for an AI algorithm that is brand new
- Create auto encoder using this algorithm

MANAGER | EHS NJIT | OCTOBER 2018- CURRENT

- Deal with local database and with end users
- Inspect workspaces for potential violations (security and otherwise)
- Optimize workflow

IMPLEMENTING FULL STACK APP | ADVOCATE KANCHAN | MAY 2018- JULY 2018

- Created a centralized database for employees
- Created internal tools to access and modify the database
- Taught employees to use new tools

MATHS TUTOR | NJIT | APRIL 2018- MAY 2018

- Tutored NJIT students in Calculus, Statistics and Probability

TUTOR | CHEGG | SEPTEMBER 2016- CURRENT

- Tutor college students in math, computer science and software engineering

Projects

PATIENT AND DOCTOR PORTAL

- Made a full-stack app with api for doctors and patients to interact, set appointment deal with diagnosis, etc.

BASKET ANALYSIS

- Used the Apriori Machine Learning and pruning Algorithm to determine trends in shopping, given databases of transactions

PROJECT BIOME

- Development of 2D isometric game in the Unity Engine for a client

AUTOENCODER FOR IMAGE CLASSIFICATION

- Used the NEAT Machine Learning algorithm for a neural network that encoded images with novel values

EXAM TESTING

- A web-app where professors can log in and create an exam for CS 100 that the students can take
- The web-app grades each programming question given inputs, expected outputs and constraints

LEXICAL ANALYSER

- Created a language analyzer and compiler based on C++

Education

MASTER'S IN SCIENCE | DECEMBER 2021 | NEW JERSEY INSTITUTE OF TECHNOLOGY

- Major: Computer Science

BACHELOR'S IN SCIENCE | DECEMBER 2019 | NEW JERSEY INSTITUTE OF TECHNOLOGY

- Major: Computer Science- Major GPA: 3.5
- Minor: Mathematics

Skills & Abilities

PROGRAMMING LANGUAGES MOST FAMILIAR WITH

- | | | | |
|----------|---------|--------------------------|-------|
| · Python | · HTML | · C | · PHP |
| · C++ | · Java | · JavaScript | · SQL |
| · Agile | · Scrum | · Full Stack Development | |