JAINY PATEL

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Education

Dec 2020
University of Maryland
College Park, MD
B.S. Computer Science
Minor in General Business

Courses

Algorithms -
Data Science -
Object Oriented Programming -
Computer Systems -
Statistical Analysis -
Discrete Structures -
Linear Algebra -
Calculus I & II -
Managing People and Teams -

Languages

Java -
Python -
Ruby -
OCaml -
C -
Rust -

Leadership

Technica
Mentor: Helping students with personal projects

BitCamp
Participant: worked on a personal To-do list webpage project

Transfer to Terps Org
Community Service Organizer: Organized a run for donation

Projects

Suicide Rate Analysis

- Scraped data from publicly accessible website using Python
- Used Pandas, NumPy, and Folium library to analyze data
- Performed linear regression and tree regression using Sklearn to predict suicide patterns.

Checklist Webpage

- Accomplished skills in Ruby on Rails
- Acquired better understanding of servers and making web applications
- Used AWS EC2 instance to deploy the application
- Stored data on SQLite database on the disk

Stark Suit Repair

- Implemented function calls that mimicked the iron man suit
- Composed to be thread safe and memory safe
- Converted original code from C++ to Rust

Small C Parser

- Wrote project that parses code into basic C program, written in OCaml.
- Created a lexer to convert basic code into tokens
- Wrote parser to convert tokens into abstract syntax tree
- Made an interpreter that converts Abstract Syntax Tree into an Environment

Experience

Distat Co (Software Development Intern • January 2020 – Present)

- Developed custom AR software applications for commercial or government contractors using Unity
- Designed user interface of the software
- Modified implementation based on client's feedback

Daly Computers (Team Lead • May 2017 - August 2019)

- Directed a team of 20 interns to setup hardware and software for the local schools
- Imaged new administrative systems by using network installations
- Supervised installation of at least 12,000 new computers every year
- Worked with school technicians to ensure all computers are on the school domain

Department of Computer Science (Peer Advisor • June 2019 – Present)

- Assisted in informing students about the computer science program
- Used G Suite to organize tasks in the office
- Worked with professional advisors during workshops and orientation