SURAJ HARJANI

ASPIRING SOFTWARE ENGINEER

CONTACT

+1734 881-3337
sharjani@umich.edu
https://github.com/SurajH1
www.linkedin.com/in/surajharjani

EDUCATION

University of Michigan
Bachelor of Science
Major in Computer Science Minor in Public Policy
2018-2022

PROFESSIONAL SKILLS

Team management
Technical report writing
Communication skills
Collaborative nature

PERSONAL SKILLS

Reliable and professional
Organized
Team player
Fast learner
Motivated
Celebrates team culture

HOBBIES

Soccer
Kayaking
Swimming
Tasting different kinds of food
Recursively following wikipedia links and reading content for hours on end
Travelling

PROFFICIENT PROGRAMMING TOOLS, LANGUAGES, AND LIBRARIES

- C++, Python, C
- JavaScript (Node.js, React, Vanilla)
- Version Control (Git)
- Matlab (School Coursework)
- Bash (Unix shell)

EXPERIENCE

PROJECT MANAGER
BOND Consulting Group| January 2019 - Present

- Collaborated with an industry leading barber shop to overhaul staffing schedules and delivered quantitative models to advise on strategy to reach revenue goals
- Led a team of 5 consultants to assemble a valuation tool for a global confectionery company and used it to formulate operational and logistical recommendations to improve profits

"INSTRUCTIONAL AIDE (SI 405 - SENIOR CAPSTONE PREP)
September 2020 - December 2020

- Organized discussion courses for senior capstone course where students collaborate with real world clients on delivering UX or information Analysis solutions to be implemented in the business.
- Organized discussion sections around team groups to allow them to maximize their time with each other in planning and implementing their project work while being present to answer questions and provide advice

CAR POOL WEB APP (REACT.JS, NODE.JS)
Personal Project | May 2020 - August 2020

- Designed and built RESTful API using NoSQL database with serverless functions for securely handling data while allowing for scalability
- Assessed security risks and assembled interactive client side application that provided all API functionaliy in an easy to use, secure interface

PANDAS OPEN SOURCE CONTRIBUTIONS (PYTHON)
Pair Programming | February 2020 - March 2020

- Analyzed stack traces and instrumentation tools to narrow down bugs in cloned Pandas repository to an error in abstract syntax tree traversal which led to the implementation of a recursive step to fix the issue
- Performed test driven development in order to ensure software requirements were being met by the contributions and contributed regression tests to the repository to help developers make effective contributions

DEEP LEARNING AI TEAM
UM Autonomy Team | May 2020 - Present

- Implemented deep learning object detection algorithms to navigate obstacle course
- Researched methods to automate benchmark checks on object detection modelsn using ROI values

OTHER EXPERIENCE

RESIDENT ADVISOR
University of Michigan Housing | September 2019 - March 2020