Jacob Stanley

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EDUCATION

UNIVERSITY OF MICHIGAN
BSE in Computer Science
May 2023 | Ann Arbor, MI
College of Engineering
Cum. GPA: 3.6 / 4.0

LINKS

Github:// **JacobStanley10**
LinkedIn:// **jacob-stanley10**

COURSEWORK

UNDERGRADUATE
User Interface Development
Computer Science Pragmatics
Computer Organization
Web Systems
Data Structures and Algorithms
Foundations of Computer Science
Discrete Mathematics
Linear Algebra
Intro to Statistics and Data Analysis

SKILLS

PROGRAMMING
Proficient:
C++ • Python • Java • SQL

Intermediate:
React • React Native • HTML • CSS •
JavaScript • MATLAB

Basic:
C • AWS • Swift • LaTeX• R • Assembly •
TypeScript • Bash • Go

ACTIVITIES

Project Manager
ATLAS Digital - Tech Consulting
- Communicate with client and lead team to implement the assigned project

IOS Team
Michigan Hackers
- Collaborating on software projects and attending tech talks

Fundraising Committee
The Pearl Project
- Raising funds for the non-profit volunteer organization that assists single mothers and children from underprivileged areas

EXPERIENCE

SERVICENOW | Full-Stack Software Engineer Intern
May 2021 - Present | Santa Clara, CA (Remote)
- Contributed to the development of ServiceNow's Agent Client Collector which enables monitoring, discovery and other applications via agent-based technology
- Improved agent Linux installation of some configuration items to better support the upgrade scenario through the bash script
- Designed automated tests for the Agent Client Collector using JUnit
- Created scripts that use JavaScript and SQL queries to add to ServiceNow's Data Analysis Reports

UNIVERSITY OF MICHIGAN | Web Systems Teaching Assistant
Fall 2021 | Ann Arbor, MI (EECS 485)
- Teach a weekly two-hour lab section reviewing lecture material and practicing concepts through sample problems
- Conducted office hours to assist students with their projects and exam preparations

STUDYBUDDIES | Data Scientist and Marketing Director
Winter 2021 | Ann Arbor, MI
- Had 11k users for *FindMyGroupMe* website and 6k signups for *StudyBuddies* matching program
- Created a python script using Pandas and NumPy to create data analysis graphs to discover *StudyBuddies'* target audience
- Utilized WebScraper.io to gather data of faculty members to promote it

DELTA DENTAL | Full-Stack Software Engineer Intern
Summer 2020 | Okemos, MI (Remote)
- Implemented server-side code that leveraged Apache POI to create Excel reports with business data
- Integrated front-end UI features of backend components into the team's Java Swing Client and added and modified multiple RESTEasy API endpoints
- Modifications to the Log4j logging mechanism in the Swing Client

PROJECTS

SCALABLE SEARCH ENGINE
Winter 2021
- Built a scalable search engine that uses PageRank and HITS algorithm
- Created a MapReduce server in Python that is a single machine, multi-process, multi-threaded server that executes user-submitted MapReduce jobs
- Implemented with MapReduce so it can distribute the workload for our Inverted-Index Server using Python, HTML, SQL and Hadoop

INSTAGRAM CLONE
Winter 2021
- Simulated social network experience with ReactJS to provide visually appealing client-side dynamic pages
- Utilized Flask and python to render server-side dynamic pages and REST APIs

FIXMYCAR MOBILE APP
Winter 2021
- Worked on MVP of mechanic mobile app version for client Fixmycar.io using React Native and TypeScript
- Implemented mechanic's upcoming job dashboard, using calls to client's API to mark up the calendar based on selected filters