

JACOB STANLEY

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EDUCATION

Bachelor of Engineering in Computer Science

Fall 2019 – Spring 2023

University of Michigan - College of Engineering Ann Arbor, MI

LANGUAGES & FRAMEWORK

C++, HTML, JAVA, JAVASCRIPT, REACT, REACT NATIVE, SQLITE, POSTGRESQL, PYTHON, R, MATLAB, THYMELEAF, RESTEASY(JAX-RS)

PROFESSIONAL EXPERIENCE

DATA SCIENTIST AND MARKETING DIRECTOR FOR *STUDYBUDDIES*

WINTER 2021

- 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
- Used WebScraper.io to gather data of faculty members from the departments in the University of Michigan
- Used GMass to promote our website to all of the faculty members so that they could encourage their students to use it

FULL-STACK SOFTWARE ENGINEER INTERN AT *DELTA DENTAL OF MICHIGAN*

SUMMER 2020

- Added and modified multiple RESTEasy endpoints
- 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
- Modifications to the Log4j logging mechanism in the Swing Client

RESEARCH SOFTWARE INTERN WITH *MICHIGAN STATE UNIVERSITY COMPUTER SCIENCE DEPT*

SUMMER 2018

- Tested the robustness of a live eye detection system (Using MATLAB).
- Utilized photo editing programs to manipulate eye characteristics and input images of those eyes into the biometrics program

PROJECTS

FixMyCar Mobile App

Winter 2021 - Present

- Creating the mobile app version of Fixmycar.io website using React Native for the company
- Used expo and yarn for testing

GPA CALCULATOR

SUMMER 2020

- Created a convenient calculator for college students to predict their cumulative GPA. Used HTML, CSS, and Javascript to build this website

PIAZZA CLASSIFIER

WINTER 2020

- Applied ML concepts and NLP to classify the subject of posts on "Piazza" based on keywords in posts. Achieved an 87% accuracy after training on only one semester and class data

RELEVANT COURSEWORK

CURRENT OR PAST: DATA STRUCTURES AND ALGORITHMS, WEB SYSTEMS, FOUNDATIONS OF COMPUTER SCIENCE, DISCRETE MATHEMATICS, LINEAR ALGEBRA, AND INTRODUCTION TO STATISTICS AND DATA ANALYSIS

ACTIVITIES

ATLAS Digital Tech Consulting - Analyst

Winter 2021 - Present

- Communicate with client for specific project
- Collaborate with team and PM to implement the project every semester

MICHIGAN HACKERS - MEMBER IOS TEAM

FALL 2019 - PRESENT

- Collaborating on software projects and attending tech talks

THE PEARL PROJECT - MEMBER

FALL 2019 - PRESENT

- Raising funds for the non-profit volunteer organization that assist mothers and children who come from underprivileged areas

References available upon request