

JOSHUA THOMAS

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PROFESSIONAL SUMMARY

Seeking a technical role in software development or related fields, leveraging problem-solving, technical expertise, and strong communication skills to contribute to impactful technology solutions

EDUCATION

Michigan State University

August 2020 - December 2024

Bachelor's, Computer Science

Minor, Business

GPA: 3.21

- Object Oriented Programming, Data Structures and Algorithms, Database Systems, Big Data Analytics, Mobile App Development, Machine Learning, Generative AI

SKILLS

Skills: Git, Java, Python, C/C++, Data Analysis, JavaScript, MySQL, SQL, Android Development

PROFESSIONAL EXPERIENCE

Health Alliance Plan

Troy, MI, USA

Software Developer Intern

August 2024 - December 2024

- Developed an innovative algorithm for parsing and filtering large JSON datasets
- Integrated cloud technology with python to efficiently store and analyze large machine-readable file data
- Built an internal web application enabling users to compare healthcare plans across multiple providers
- Trained a GPT AI model to be used as an AI chatbot specific to our application
- This application enabled HAP to reduce overspending on providers by 15%

Emgenex

Ewing, NJ, USA

Software Developer Intern

June 2023 - August 2023

- Utilized a combination of Python and SQL to make an internal reporting tool to retrieve relevant customer data
- Protected confidential information in healthcare patient portals to protect system integrity
- Participated in daily meetings to meet with supervisors to progress through the project efficiently

PROJECTS

Recipe Book Mobile Application

- Created an interactive Android Studio mobile application that leverages device capabilities such as the camera
- Designed a responsive user interface, featuring both written and video tutorials for easy to make recipes
- Promoted app to college audience by integrating social media, increasing engagement through posts

Sketch Recognition Machine Learning Project

- Used Convolution Neural Network and Naive Bayes machine learning models to effectively recognize hand drawn sketches
- Trained model to accuracy above 90 percent when tested on our sketch dataset

NFL Team Winner Prediction Project

- Preprocessed machine learning models on relevant NFL game data
- Compared correctness of multiple machine learning models in predicting winners of recent NFL games
- Trained a Random Forest machine learning model up to 80% accuracy on predicting NFL game winners

CERTIFICATES

C++ programming step-by-step: From Beginner to Advanced

AWS Certified Cloud Practitioner (CLF-C02) Cert Prep: 1 Cloud Concepts