Andrew Samountry

☏(479) 318-5116 | ✉ andsam321@gmail.com | 🔗 linkedin.com/in/andrewsamountry

EDUCATION

Simpson College || Indianola, IA   Aug 2021 – May 2025
B.A. Computer Science   GPA: 3.8

   Relevant Coursework: Data Structures & OOP, Intro to Algorithms Databases Systems & SQL, Artificial Intelligence, Software Eng, Introduction to Programming: Python, Data Modeling in R

PROJECTS

Software Engineering Intern   Jun 2024- Sep 2024
Dance4Healing, Sunnyvale, CA (Remote)
- Engineered and tested web application, delivering personalized dance routines for over 1,000 cancer patients, enabling real-time group participation, fostering collaboration with Stanford Healthcare
- Explored and began incorporating Natural Language Processing (NLP) to generate accurate, real-time captions during live sessions, improving accessibility for users
- Utilized JavaScript/React to create interactive and user-friendly interfaces, improving the overall performance and engagement of the application

Vet-U   Feb 2024
Python, Roboflow, Open API
- Placed **2nd** overall and won 1 of 4 categories at BuildDSM V1 Hackathon out of **30+ teams** (200 participants)
- Trained Roboflow model on **2000** images of pets and used GPT wrappers to assist pet owners in assessing their pet's health conditions remotely
- Applied Python's Tkinter library to develop a mobile user interface

Bears Tracker   Jan 2024
Python, Scikit-Learn, Streamlit
- Created a machine learning model to predict Bear's wins using **30+** seasons worth of data collection
- Tuned random forest classifier hyperparameters to optimize the model from **50% to 78%** accuracy for match outcomes
- Leveraged advanced Python libraries such as Streamlit, MatPlot, and Seaborn to sophisticated data visualizations, enhancing the accessibility and interpretation of complex statistical data such as game performance and historical trends.

Leadership/Relevant Activities

Simpson College: *Speech/Debate Undergraduate Asst.*   Aug 2021-
- Assisted peers in finding and practicing their speech and debate events by providing feedback on a bi-weekly basis
- Established structured curriculum for speech workshops, tailored to individual levels and event preferences
- Organized additional practice sessions to foster a collaborative team environment, contributing to **multiple** national finalist

Simpson College: *IT Support Specialist (Help Desk)*   Aug 2021-
- Provided IT software and hardware support to over **1000** students and faculty across campus
- Managed team of **3** to ensure timely resolution of IT issues, regularly conducting team meetings to discuss priorities and challenges to maximize efficiency and productivity.
- Worked on tickets using Simpson's ticketing system to effectively provide documentation, while also taking advantage of knowledge base articles to supplement troubleshooting and research

SKILLS

   Languages/Frameworks (Proficient): Python, Java, SQL, HTML, CSS, JavaScript, Django, Flask, R
   Languages/Frameworks (Limited): C/C++, React, Next.JS, Spring boot