

Michael Paul Shaffer

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EDUCATION

University of Florida, Computer & Information Science & Engineering

Bachelor of Science with a Major in Computer Science

Graduation: Spring 2025

Certificate of AI Fundamentals & Application - GPA: 3.43

Coursework: Data Science, Human-Computer Interaction, Business Analytics & AI, Economics, Software Engineering, Operating Systems

SKILLS

Languages: Python (proficient), JavaScript/TypeScript (proficient), HTML & CSS (proficient), C/C++ (school), Java (school), Bash

Operating Systems: macOS Unix (main), Linux- Ubuntu (proficient), Windows (familiar)

Frameworks/ Libraries: Pandas, React Native, TensorFlow, Scikit-learn, NumPy, Matplotlib, Angular, Node.js

Tools: GitHub, Jupyter Notebook, VirtualBox VM, Docker, AWS, Expo, Android Studio, XCode, Visual Studio Code

WORK EXPERIENCE

Nebulai Corp. – AI Business Solutions Marketplace

Sep 2024 – Oct 2024

Software Engineer – Specializing in AI Integration – Intern

(Remote) Miami, FL

- Integrated Microsoft AutoGen agentic AI framework into software, enhancing AI capabilities and automating workflows for more efficient operations and user experience
- Utilized front-end technologies to integrate and prototype AI features, collaborating with AI engineers to ensure seamless implementation of business solutions

Orbit Media LLC – Social Finance Platform

Jun 2024 – Aug 2024

Software Engineer - Intern

(Remote) New York, NY

- Shadowed CTO of a VC startup, gaining insights into strategic decision-making and technology leadership
- Coded animations in TypeScript for real-time market data visualizations of stocks in react native (reanimated), enhancing user engagement and data clarity

Big Ben LLC under US Logistics LLC Authority

Jun 2023 – Dec 2023

Logistics Broker – Fulltime

Cedar Key, FL

- Engaged in client-focused interactions and assisted in project management in the industrial concrete pipe industry
- Collaborated with up to 100+ carriers a day to coordinate logistic solution to projects over the course of weeks to move millions of pounds of concrete commodities

PROJECTS

SendBlue – Mass Communication Platform

Aug 2023 – Present

Personal Project - Developed for Delta Sigma Phi Fraternity as Vice President of Recruiting

Gainesville, FL

- Utilized Python libraries on macOS to mass text 2k+ potential members every year from a registry for the purpose of sending Apple's blue iMessages to begin the recruitment process

Neural Network Handwritten Letter Recognition Model

Mar 2023– Apr 2023

Course – AI Fundamentals

Gainesville, FL

- Developed a neural network model for handwritten letter recognition using the EMNIST dataset
- Preprocessed images, constructed, and trained a Multi-Layer Perceptron (MLP) with 5+ hidden layers, and achieved up to 84% test accuracy on UF's HiPerGator supercomputer

EnhancedGPT & CIO (Companion-Input-Output) – OpenAI Text Chatbot on Raspberry Pi

Dec 2022 – Feb 2023

Personal Project

Gainesville, FL

- Integrated OpenAI API on Raspberry Pi & developed a text-to-speech system in python with goal to make an AI Dungeon Master in Dungeons & Dragons (D&D) scenarios
- Developed user interface with React.js to test all large language models offered