

# Michael Shaffer

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## EDUCATION

**University of Florida, Computer & Information Science & Engineering**

*Bachelor of Science with a Major in Computer Science*

Expected Graduation: May 2024

Artificial Intelligence Fundamentals and Applications Certification

GPA: 3.5

## PROJECTS

**EnhancedGPT – OpenAI Text Chatbot**

Nov 2022 – Present

Artificial Intelligence

Gainesville, FL

- Built as person project to test all machine learning models from OpenAI's chat engine API
- Developed user interface with React.js and used normalize.css for clean components
- Used npm express and CORS with node.js for routing and cross-domain communication with API
- Plan to keep growing the bot's ability in aim of learning about machine learning.

**GatorChat – Social Networking Application**

July 2022 – Aug 2022

Human-Computer Interaction

Gainesville, FL

- Lead a team of 4 to design a web app for international students to meet fellow students at the University
- Self-taught and developed with the React library, 50+ hours put in both React.js and React Native
- Configured backend with Firebase V9 and used GitLens on VScode to collaborate through GitHub
- Developed UI in CSS with simple functionality and created components with JSX
- Utilized effective communication and time managing techniques to prioritize tasks to deliver solutions

**Pass4uBYu – Password Generator**

Mar 2022 – Apr 2022

Data Structures and Algorithms

Gainesville, FL

- Collaborated with 2 colleagues to develop a program that compiles 9! passwords based on input from a user
- Delivered the strongest internally verified 100 passwords to user in real time using sorting algorithms
- Self-taught and developed with python for password strength validation and sorting algorithms
- Learned fundamentals of optimization and efficiency algorithm efficiency through the project's development
- Created and managed GitHub repository and taught basics of Git operations and IDE integration to the team

## SKILLS

**Languages:** Python (primary), C++, JavaScript(secondary), Java, HTML & CSS, Bash, Swift

**Operating Systems:** macOS (main), Windows(proficient), Linux (familiar)

**Frameworks/ Libraries:** Node.js, Express, CORS, React/Native, TensorFlow, OpenAI

**Other Tools:** GitHub, Firebase, Virtual Machines with VMware/Fusion, Expo, Android Studio, XCode, Visual Studio  
Code, Jet Brains IDEs

## WORK EXPERIENCE

**Firefly Resort Cottages**

May 2019 – July 2020

Website Editor |Assistant Resort Manager

Cedar Key, FL

- Overhauled existing technical systems through the execution of system upgrade with WordPress
- Maintained excellent attendance record, consistently arriving to work on time
- Handled and resolved customer issues and complaints with professionalism and tact to drive customer satisfaction and repeat business