

# Yusuf Wadi

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## SUMMARY

Experienced in developing AI, BCI, and machine learning applications, as well as knowledge in neural network development. Passionate about learning and building new things, with a proven track record of success in creating new apps and games. Currently a Rising Senior at the University of Texas at Dallas, looking for a role in software engineering where I can continue to develop my skills.

## PROJECTS

**TheraPT** | *Python, JS, Nuxt, Vue, TS, Selenium, OpenAI API* August 2022 – Present

- Created a functioning machine-learning conversational therapist web-app
- Processed over 200,000 lines of real therapy transcripts for the fine tuning of an NLP

**IDAW** | *Python, Selenium, Google Voice API* Sept 2022 – Present

- Programmed a virtual assistant with custom features and functions
- Trained a fine-tuned model using a custom generated data-set to parse individual intentions

**Freqtrade** | *Docker, Linux, Python, Nginx* January 2023 – Present

- Deployed a server to constantly run an algorithmic trading bot for passive income
- Developed skills in Docker, Linux, Python, and nginx in the process

## EDUCATION

**Bachelor of Science in Computer Science** Richardson, TX

*University of Texas at Dallas*

*Aug. 2020 – May 2024*

## COURSES

**Computer Science II**

*JAVA* 2021 Fall

**Computer Architecture**

*Assembly* 2021 Fall

**Discrete Math II**

*Graph Theory, Logic, Algorithms* 2021 Fall

**Advanced Data Structures and Algorithms**

*Time/Space Complexity, DP, Graph Algorithms, P/NP* 2023 Spring

**Linear Algebra**

*Matrices, Vector Spaces, Eigenvectors* 2022 Spring

**Unix/Linux**

*C++* 2022 Spring

## EXPERIENCE

**Web Development Intern** May 2022 – August 2022

*Monoware Studios*

*Richardson, TX*

- Familiarized with Nuxt, Vue, and Tailwind development
- Developed multiple websites from scratch using Nuxt and Vue frameworks
- Gained experience in working with a team in a fast paced development environment

## TECHNICAL SKILLS

- **Languages:** Java, Python, C/C++, C, JavaScript, HTML/CSS, Typescript
- **Frameworks:** Node.js, JUnit, Vue, TailwindCSS
- **Developer Tools:** Git, Docker, VS Code, Visual Studio, Eclipse, Bash, Unity3D
- **Libraries:** pandas, NumPy, Matplotlib, keras, neuralintents, openai, tensorflow, nltk, scikit, bs4,

## RESEARCH

**Neural Radiance Fields** | *ACM – UTD* January 2023 – May 2023

- \* Collaborated with a team of researchers as part of the ACM group at UTD to design and implement a NeRF-based pipeline for the construction of a VR environment that allows users to explore and interact with a virtual space in real-time.
- \* Conducted extensive testing and evaluation of the NeRF pipeline and VR environment using a variety of metrics, including user feedback, rendering performance, and visual quality.