# Justin Dy

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## EDUCATION & RELEVANT COURSEWORK

**University of Iowa** | Bachelor in Computer Science at the College of Liberal Arts and Sciences  2023 - 2027
- Computer Programming Fundamentals I & II, Data Structures, Discrete Structures, Introduction to Software Development.

**Leadership & Organization Involvement**: Tippie Technology & Innovation Association (University of Iowa)
- Acted as a general member, attending industry-experienced guest speaking and company networking/hiring events, connected and collaborated with other like-minded students/peers, and performed community service.
- Pi Kappa Phi Social Fraternity: Active member, facilitating effective communication and organizational strategies among 150+ fraternity members to build events, organize volunteer work and achieve chapter goals.

**Plainfield North High School, Plainfield IL** | GPA - 5.2 (weighted)                    2019 - 2023

## CERTIFICATES

**Amazon** | AWS - Certified Cloud Practitioner                    2024

## PERSONAL PROJECTS

**Personal Website** | Javascript, HTML, CSS                    June 2024
- [My Website](#) - Built a fully-functional personal website to showcase myself to employers and recruiters.
- Includes a custom domain, interactive links, an inbox, visual effects, project demonstrations & more.

**Marketplace Clone** | Javascript, Typescript, HTML, CSS                    July 2024
- [Marketplace](#) - Created a fullstack, fully-functional Facebook marketplace clone from scratch.
- Implemented Google's Developer API which allows users to login with their Google account and utilize Google Maps to locate posts, and stores website activity and user data using MongoDB.

**AI Video Generator** | Javascript, Typescript, HTML, CSS                    Aug. 2024
- [Url-to-Video](#) - Application that takes any article or webpage via URL and creates a short-video from it.
- Utilizes OpenAI's new GPT-4o and gptscript to summarize, generate a voiceover, and b-roll images.

**AI Search Function** | Python                    June 2024
- [Title Generator](#)  - Created a machine learning search program that deploys a fine-tuned Llama 3.1 model to artificially generate search titles for a user when questions on a specific data set are asked.
- Applies NVIDIA's Llama 3.1 8B Instruct Model NIM, LoRA, and NVIDIA's Nemo Framework.

## EXPERIENCE

**Information Technology Assistant**                    May 2024 - Aug. 2024
**Versailles on the Lakes** | Oakbrook, IL
- Collaborated with the IT team to troubleshoot and debug software issues, assisted in software deployment, and contributed to documentation, enhancing system performance and user satisfaction.
- Resolved customer technical issues by providing clear instructions and solutions via text and email, ensuring effective communication and maintaining high levels of customer satisfaction.
- Provided technical support for software applications and systems, resolving issues related to network connectivity, software installation, and hardware configuration, ensuring minimal downtime for users.

## TECHNICAL SKILLS

**Languages:** Python, Java, Javascript, Typescript, HTML, CSS

**Frameworks:** React, Express, Node, Django, Tailwind, GPTScript, Ffmpeg

**Developer Tools:** AWS, Google Cloud Platform, Google for Developers, VSCode, Visual Studio, Pycharm, IntelliJ, Git, OpenAI API, MongoDB, Web3 API, Nvidia NIM