

# Justin Dy

Chicago, IL | [My Website](#) | (630) 853-9206 | [dyjustin81@gmail.com](mailto:dyjustin81@gmail.com) | [GitHub](#) | [LinkedIn](#)

## EDUCATION & RELEVANT COURSEWORK

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**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

## PERSONAL PROJECTS

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**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

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**Pool Technician/Attendant**

May 2024 - Aug. 2024

**Versailles on the Lakes** | Oakbrook, IL

- Utilized data tracking and analysis to monitor pool conditions and ensure compliance with safety and quality standards, enhancing the overall guest experience. 105% attendance rate during employment.
- Developed and maintained digital logs for equipment usage and maintenance schedules, improving data accuracy and streamlining reporting processes. Leveraged data entry skills to update and maintain inventory databases, ensuring the availability of necessary supplies and equipment.
- Collaborated with cross-functional teams to collect and analyze customer feedback, providing actionable insights for service improvements and customer satisfaction.

## TECHNICAL SKILLS

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

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

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