

# Justin Dy

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

## 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 - 2028

## PERSONAL PROJECTS

---

**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, 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 gptsript to summarize, generate b-roll images, and add a voiceover.

**AI Application** | Python

Jun. 2024

- [AI Search Assistant](#) - Created an AI program that deploys a fine-tuned Llama 3.1 model to artificially generate titles 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

---

**Programming Assistant**

Aug. 2024 - Current

**University of Iowa** | Iowa City, IA

- Utilize problem-solving and technical skills to troubleshoot software issues, optimize digital workflows, and maintain IT resources across multiple student support centers.
- Collaborated with diverse student groups to design and implement hybrid events using virtual and in-person technologies, effectively reaching an audience of over 200 participants.
- Developed and managed social media marketing campaigns for student organizations using platforms like Facebook and Instagram, increasing engagement by 23% in a single semester.

## TECHNICAL SKILLS

---

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

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

**Developer Tools:** Google Cloud Platform, Google for Developers, VS Code, Visual Studio, Pycharm, IntelliJ, Git, OpenAI API, AWS, MongoDB