

Justin Dy

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EDUCATION & RELEVANT COURSEWORK

University of Iowa | Bachelor in Computer Science at College of Liberal Arts and Sciences 2023 - 2027

- Computer Programming Fundamentals I & II, Data Structures, Discrete Structures, Intro 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) 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, HTML, CSS, Javascript, Typescript

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

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