

# Jhoon Yi

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## Education

**B.S Information Technology**, *University of South Florida*, GPA: 3.76 / 4.00

Expected Grad: May 2026

- Relevant Coursework: IT Object-Oriented Programming, Foundations of Cybersecurity, IT Programming Fundamentals, IT Concepts, Intro to Databases for IT, Foundations of Engineering Lab

## Technical Skills

- **Languages:** Python, JavaScript, HTML/CSS, SQL, C
- **Frameworks:** Next.js, React, Node.js, SQLite, MySQL
- **Libraries:** Taipy, jQuery, Cheerio, Pandas, Bootstrap, Material UI
- **Tools:** Git, Github, VSCode, Postman Vercel, Firebase, Netlify, OpenAI API, Microsoft Office, PyCharm

## Experience

**Tech Lead** - *Google Developer Student Club*

July 2024 - Present

- Organized a Taipy workshop to teach students how to build a full-stack app for tracking BMI.
- Collaborated with other tech leads and e-board to efficiently plan and execute workshops, imparting valuable knowledge to students.

**Software Engineer Fellow** - *Headstarter*

July 2024 - September 2024

- Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Collaborated with 3 Fellows to build and deploy a SaaS product that generates dynamic flashcards based on any topic using the Llama 3.1 LLM via the OpenRouter API, integrated a paywall and pricing plans using the Stripe API.

## Projects

**Rate My Professor RAG Chatbot** | *Next.js, React, Material UI, OpenAI API, Pinecone, Cheerio*

August 2024

- Built a **web scraper** that extracts data from a Rate My Professor link and upserts it to a **Pinecone** index.
- Integrated with a **RAG** pipeline using **LangChain** and **OpenAI GPT-4o** to relevant answers to user queries.
- Crafted using Next.js, React, and MUI to create an engaging and interactive chat interface.

**Cardlet** | *Next.js, React, Material UI, Firebase, OpenRouterAPI, Clerk, Stripe, Vercel*

August 2024

- Integrated **Clerk** for seamless user auth and **Stripe** for secure payment processing within our **SaaS** platform.
- Utilized **Meta's LLaMA 3.1** AI model to process user text input and file uploads, creating customized flashcards.
- Created an interactive dashboard using **React** and **Next.js**, providing a dynamic and user-friendly interface.

**Customer Service Chatbot** | *Next.js, React, Material UI, Firebase, OpenRouterAPI, Vercel*

August 2024

- Developed a chatbot inspired by Gainful, leveraging Meta's LLaMA 3.1 AI model for responsive user interactions.
- Engineered the frontend using **Next.js**, **React**, and **MUI** ensuring a modern, user-friendly interface.
- Implemented **Firebase** Firestore real-time data management and Authentication for secure user authentication.

**HealthGPT, Hacklytics** | *Python, Taipy, OpenAI, Git*

February 2024

- Constructed a **full-stack** application utilizing **Taipy**, a **python** library, to promote a healthy diet and BMI.
- Catered a personalized meal plan by calculating BMI, calories, and user's body metrics via **OpenAI's API**.
- Integrated and trained a sophisticated **chatbot** capable of addressing various user inquiries.