

Adrian Hoffer

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EDUCATION

Northwestern University

Evanston, IL

Bachelor of Arts in Computer Science

September 2020 – June 2024

- Grade Point Average: 3.73/4.0
- Relevant Coursework: Data Structures and Algorithms, Intro to Artificial Intelligence, Mathematical Foundations of Computer Science, Computer Systems, Human-Computer Interaction, Generative Methods, Microprocessor Design, Rapid Prototyping, Linear Algebra

EXPERIENCE

Software Engineering Intern

June 2023 - August 2023

Publicis Sapient

Chicago IL

- Coded and deployed a full-stack React application to resolve problems in Publicis' financial services vertical
- Conceptualized, refined, and prototyped approaches to redefine modern online banking in CI/CD environment
- Employed agile methodology including daily Scrum to complete deliverables in weekly sprint time blocks
- Maintained Git code base, built app with Express and Node, stored data with MongoDB, and deployed using AWS
- Pitched final project to more than fifty employees from multiple office locations around country

Introduction to Artificial Intelligence Peer Mentor

March 2023 - June 2023

Northwestern University

Evanston, IL

- Conducted interactive office hours for a class of 250 students, providing guidance on Artificial Intelligence concepts
- Mentored students on topics including Min-Max, Forward Checking, Computer Vision, and stochastic algorithms
- Supervised students' coding by aiding in troubleshooting and delivering constructive feedback on code
- Collaborated within a team of nine peer mentors, ensuring consistent and effective support for students' needs

Website Developer

June 2020 - September 2020

Li Education Foundation

Tampa, FL

- Combined mixed media with functionality to provide responsive user interface with intriguing visuals
- Supervised deployment of an engaging website showcasing diverse Asian art, both promoting and preserving numerous cultural artifacts
- Utilized CSS to stylize design elements and create visual cohesion throughout website, structured with HTML
- Employed product management skills by following an iterative design methodology and communicating with client

PROJECTS

LyricAI Music Video Generator

September 2022 – December 2022

React, JavaScript, Python, SQL

- Demonstrated leadership by advising team developing software to transform audio files into generated music videos
- Applied cutting-edge Deforum Stable Diffusion by Stability.AI to convert song lyrics into dynamic keyframes, redefining music visualization and giving countless users access to cheap content generation
- Engineered seamless integration of keyframes and original music, delivering an immersive audio-visual experience
- Implemented secure sign-in and persistent storage via SQL, enabling users to access and download videos with ease

Cryptocurrency API project

August 2022 – September 2022

React, JavaScript, MaterialUI, OpenAI

- Utilized CoinGecko API to display hundreds of Cryptocurrencies alongside info on price and market movement
- Developed a search feature for users to easily access desired coins and filter information efficiently
- Included API calls to OpenAI's Chat Completion API to allow users to receive summaries on market changes
- Leveraged Axios and useEffect Hooks within React.js to extract data from a large external online data set

SKILLS

Languages: Python, C/C++, C#, JavaScript, Java, Dr. Racket, HTML/CSS

Frameworks: React, Express, FastAPI, Node.js, Express.js, x86, HTTP

Developer Tools: Git, VS Code, Visual Studio, Firebase, Unity, AWS App Runner, Unix Shell, vite, npm, Cypress

Communication Skills: Agile, Scrum, Kanban, Slack, JIRA, Microsoft Teams, Confluence, Code Review, presenting

Libraries: pandas, NumPy, jQuery, MaterialUI, Bootstrap, axios