AIDEN **JEE**

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Education

University of California, San Diego Sept 2019 - Sept 2023
B.S Computer Science
Courses: Advanced Algorithms, Machine Learning, Operating Systems, Web Development, OOP, Data Structures, Software Engineering Practices, Cybersecurity, Computer Architecture

Skills

Languages: Javascript, Typescript, HTML, Java, Python, CSS
Frameworks: React.js, Node.Js, Next.js
Tools / Databases: Git, PostgreSQL, Firebase, Vercel, Jest
Other: Fluency in English, Korean

Projects

Discovery Playlist

Next.js, Supabase, Spotify API January 2024 – June 2024

- Designed and implemented an algorithm to generate personalized playlists from Spotify API and stored data in Supabase
- Condensed API calls after identifying heavy usage patterns among certain users, reducing load times from 20 seconds to near instant, significantly enhancing user experience and engagement
- Improved 80% of design plans in response to technical limitations due to outdated documentation

Bossing Mule Tracker

Next.Js, Node.js, Neon, Git July 2024 – Present

- Implemented DevOps strategies, resulting in faster deployment speed, efficient error handling, and better issue management, improving overall work efficiency by 300% compared to previous projects
- Created a REST API in Node.js to implement user inputted CRUD functionality
- Parses JSON data to update the UI and database in real time, ensuring a fluid user experience

Eve's Apple

React.js, Firebase Sept 2023 - Dec 2023

- Drafted 20+ components and blueprints for monster behavior, item drops, and player abilities in a single player RPG game
- Wired and created pages for users to login/register through the power of React and Firebase
- Utilized scrum sessions and pair programming to resolve major bugs related to design, threading, and states
- Reduced Firebase query costs by 85% through thorough monitoring of query volume during runtime

Health Improvement Analysis

Python March 2023 – June 2023

- Analyzed a public dataset to identify the driving factors of diabetes using data analysis with python
- Authored a high-level report summarizing study results for a general audience
- Presented and organized data using libraries like Seaborn and Matplotlib, creating clear and informative visualizations.